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WATER QUALITY DATA
ONTARIO LAKES AND STREAMS
1990
VOLUME XXVI
SOUTHWESTERN REGION

AUGUST 1994



**Ministry of
Environment
and Energy**

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ONTARIO LAKES AND STREAMS
1990**

**VOLUME XXVI
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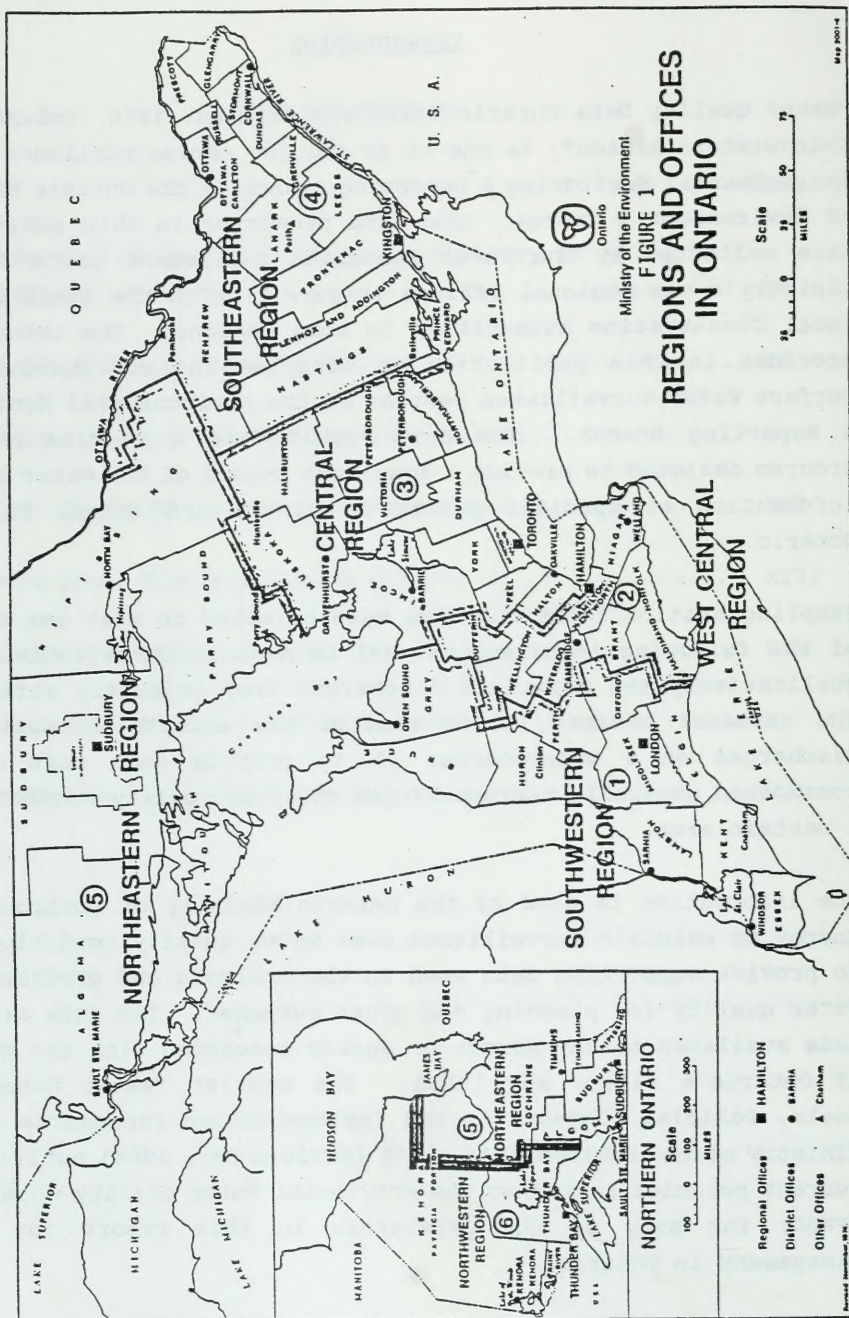
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INTRODUCTION

"Water Quality Data Ontario Lakes and Streams, 1990, Volume XXVI, Southwestern Region", is one of an ongoing series published by the Environmental Monitoring & Reporting Branch of the Ontario Ministry of Environment & Energy. The data presented in this publication were collected by the Water Resources Assessment Units of this Ministry's six Regional Offices (Figure 1) with the assistance of local Conservation Authorities in some regions. The information provided in this publication is compiled and published by the Surface Water Surveillance Section of the Environmental Monitoring & Reporting Branch. The data result from a routine sampling program designed to provide a long-term record of the water quality information at specific points on rivers and inland lakes in Ontario.

Sampling station locations have been selected to meet one or more of the following requirements: (1) to measure quantitatively and qualitatively the materials discharged from tributary streams to the terminal basins; (2) to monitor the effects of wastewater discharges on a watercourse; (3) to provide data that can be considered generally representative of water quality conditions in a certain area.

The information is used by the Ontario Ministry of Environment & Energy to maintain surveillance over water quality conditions and to provide supporting data used in the analysis and prediction of water quality for planning and other purposes. The data are also made available to any person or agency concerned with the quality of Ontario's rivers and lakes. The booklet "Water Management Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment", 1978 (Revised May, 1984) outlines the current policies including the Provincial Water Quality Objectives (PWQO) for many of the parameters in this report for water management in Ontario.



Samples are analyzed for some or all of the following parameters: counts of total and fecal coliforms, enterococcus, Pseudomonas aeruginosa and escherichia coliforms, concentrations of biochemical oxygen demand, total phosphorus, filtered reactive phosphate, filtered ammonia, total Kjeldahl nitrogen, filtered nitrite and nitrate forms of nitrogen; total suspended and dissolved solids; levels of conductivity and turbidity; concentrations of chlorides, sulphates, unfiltered reactive silicates, acidity, alkalinity; units of pH; concentrations of total iron, phenols, hardness, calcium, magnesium; units of colour; concentrations of potassium, sodium, total organic carbon, chemical oxygen demand, solvent extractables, arsenic, mercury, aluminium, chromium, copper, lead, cadmium, zinc, manganese, nickel, fluoride, cyanide and cobalt.

In addition, radiochemical analyses are conducted on selected samples and the results are expressed as levels of ionizing radiation (i.e. the number of nuclear disintegrations per second). Selected samples are analyzed for some or all of the following radiochemical parameters: gross alpha, gross beta, radium-226, total uranium, cesium-137, cesium-134, cobalt-60, tritium and iodine 131.

Some samples are also analyzed for some or all of the following synthetic organic parameters: concentrations of PCB, PCP and 2,4,5-T.

The complete list of parameters are described in the section dealing with "station identifier codes qualifying remark codes and abbreviated parameter headings".

The water quality monitoring program commenced in July 1964 in Southern Ontario and currently consists of a total of 703 stations throughout Ontario. The following maps (figures 2 and 3) show the Southern and Northern Ontario Terminal Basins which are used to identify the sampling station locations. Definitions or brief descriptions are provided for the more common parameters of water quality under the section entitled Interpretation of Data.

Other ambient water quality monitoring programs such as the Sport Fish Contaminant Monitoring Program which is co-ordinated by the Ontario Ministry of Environment & Energy with participation by the Ministries of Natural Resources and Labour are not discussed in this publication. A summary of health implications of contaminants in fish with a listing of test results from each fish sampling location can be found in the Ministry publication, "Guide to Eating Ontario Sport Fish". This publication is updated annually and is available free of charge from the Ministry of Environment & Energy, Environmental Monitoring & Reporting Branch, 125 Resources Road, Etobicoke, Ontario, M9P 3V6, telephone (416) 314-7886. Further, there are also additional ministry surveillance programs, including Drinking Water Surveillance, Great Lakes Surveillance and APIOS Programs.

The streamflow station network in Ontario is not discussed in this publication. Whenever streamflow data exists at tributary locations which are coincident with the water quality monitoring station locations, data on mean daily discharges are available from Water Survey of Canada. The collection of hydrometric data in Ontario has been carried out under a Memorandum of Agreement between the Government of Canada and the Province of Ontario since April, 1975. The Province of Ontario is represented in the Agreement by the Ministry of Environment & Energy, the Ministry of Natural Resources and Ontario Hydro. These agencies meet at regular intervals with the Water Survey of Canada to administer the Agreement. Streamflow data for Ontario are published annually, details of individual stations and related records as well as recent data which have not yet been published, may be obtained upon application to:

Water Resources Branch
Federal Building
75 Farquhar Street
Guelph, Ontario
N1H 3N4
Tel: No. (519) 821-0110



FIGURE 2
SOUTHERN ONTARIO TERMINAL BASINS
04 - BASIN IDENTIFICATION CODE

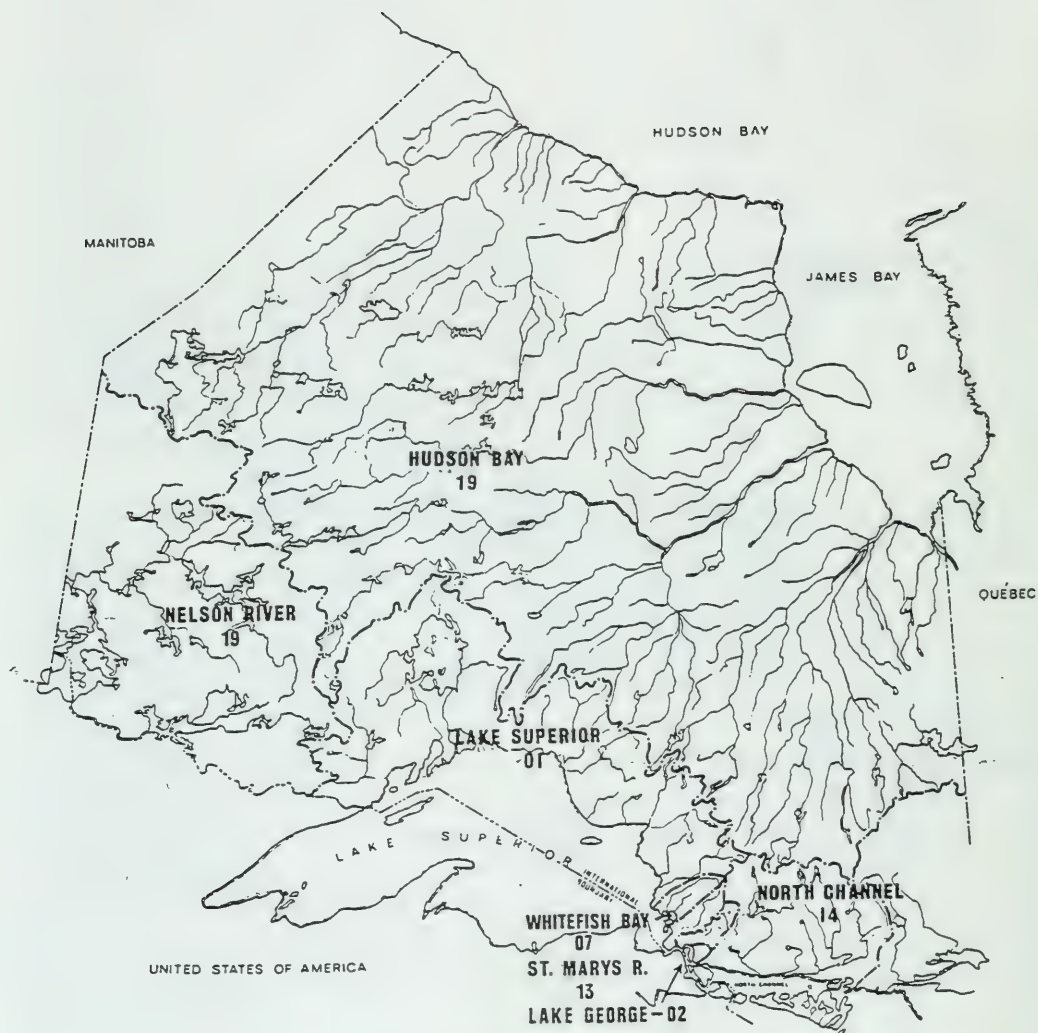


FIGURE 3
NORTHERN ONTARIO TERMINAL BASINS
19 - BASIN IDENTIFICATION CODE

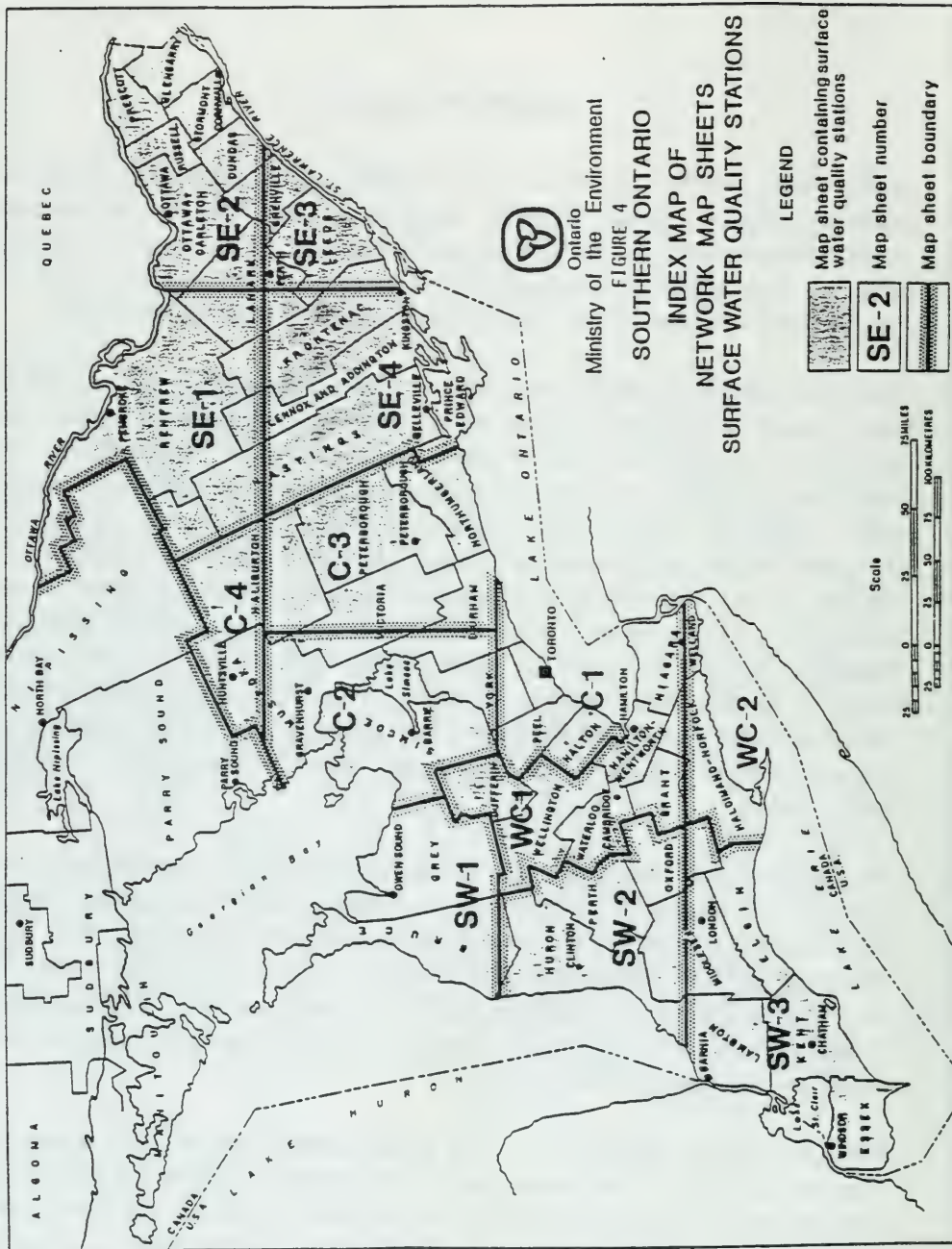
NETWORK MAP SHEETS

Individual station locations are identified on specially prepared network maps. These network maps have been drawn to conform approximately to the boundaries of the Ministry's Regions, and are grouped according to Regions. Two index maps (Figures 4 and 5) illustrate individual map sheet coverages within the Province.

The following procedures were used in the preparation of the maps. Individual base maps within a Region were assembled using the National Topographic Series maps at a scale of 1:250,000. In northern Ontario, this was reduced to a scale of 1:500,000 in the Lake Superior and Nelson River basins, and to a scale of 1:2,000,000 in the Hudson Bay basin. For each base map, an overlay of the river systems was prepared, showing major watershed and Ministry of Environment & Energy Regional boundaries. Numeric terminal basin and stream codes were added, and active water quality monitoring stations were located on each overlay and referenced with station numbers. The overlays were then reduced to approximately 40% of their original size for purposes of this publication.

The previously mentioned terminal basin and stream code, when combined in sequence with a given station number, together form a unique station identifier which appears as the "Station ID". The "Station ID" is listed for all active monitoring stations within the Region in the "Sampling Station Directory", an alphabetical listing of terminal streams monitored in Southwestern Region, (See Sampling Station Directory).

The location of stations in the Southwestern Region are shown in figures 6, 7 & 8. The locations of the other stations in the other regions and in other parts of Ontario such as those located on the Great Lakes or those operated by the Water Quality Branch, Ontario Region, Environment Canada, are not included.



Ontario

Ministry of the Environment

FIGURE 4

SOUTHERN ONTARIO

INDEX MAP OF

NETWORK MAP SHEETS

SURFACE WATER QUALITY STATIONS

LEGEND



Map sheet containing surface water quality stations



Map sheet number



Map sheet boundary

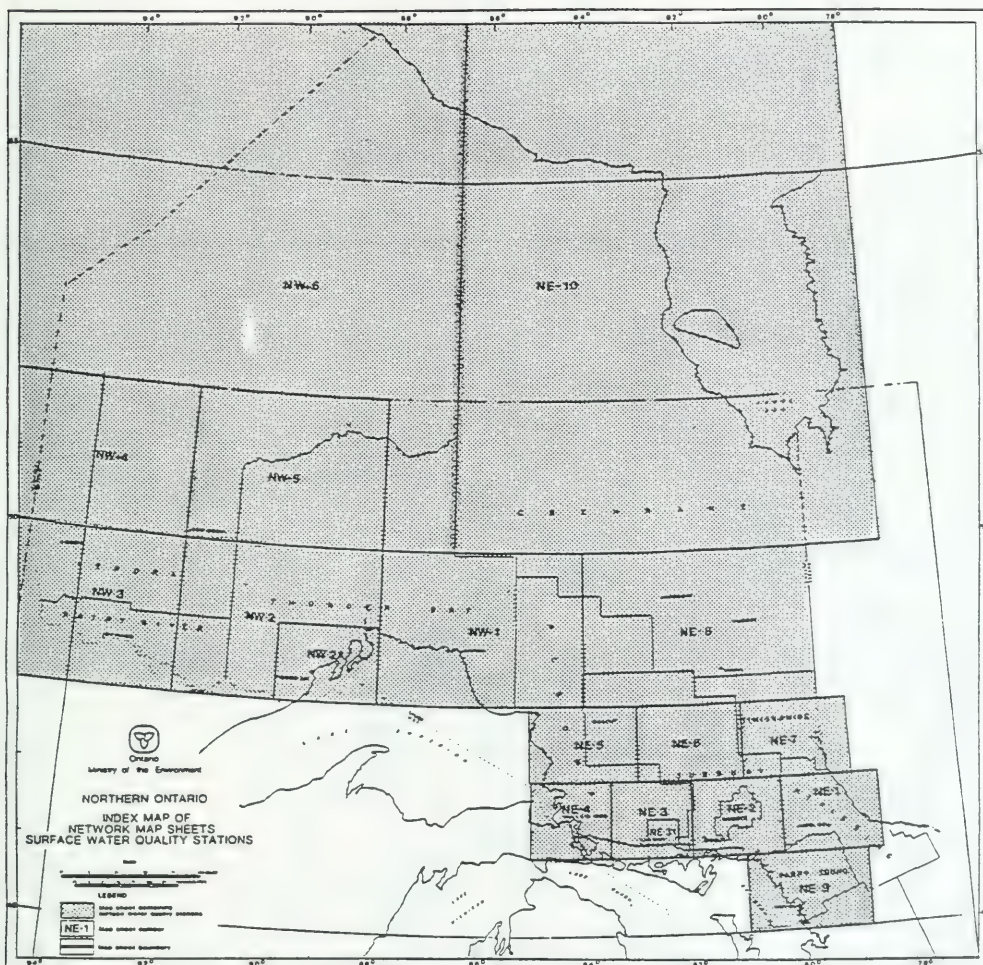


FIGURE 5



Water Resources Branch

FIGURE 6

QUALITY NETWORK

1990

MAP SW-1

Southwestern Region

Kilometres -
0 5 10

LEGEND

Terminal Basin Code

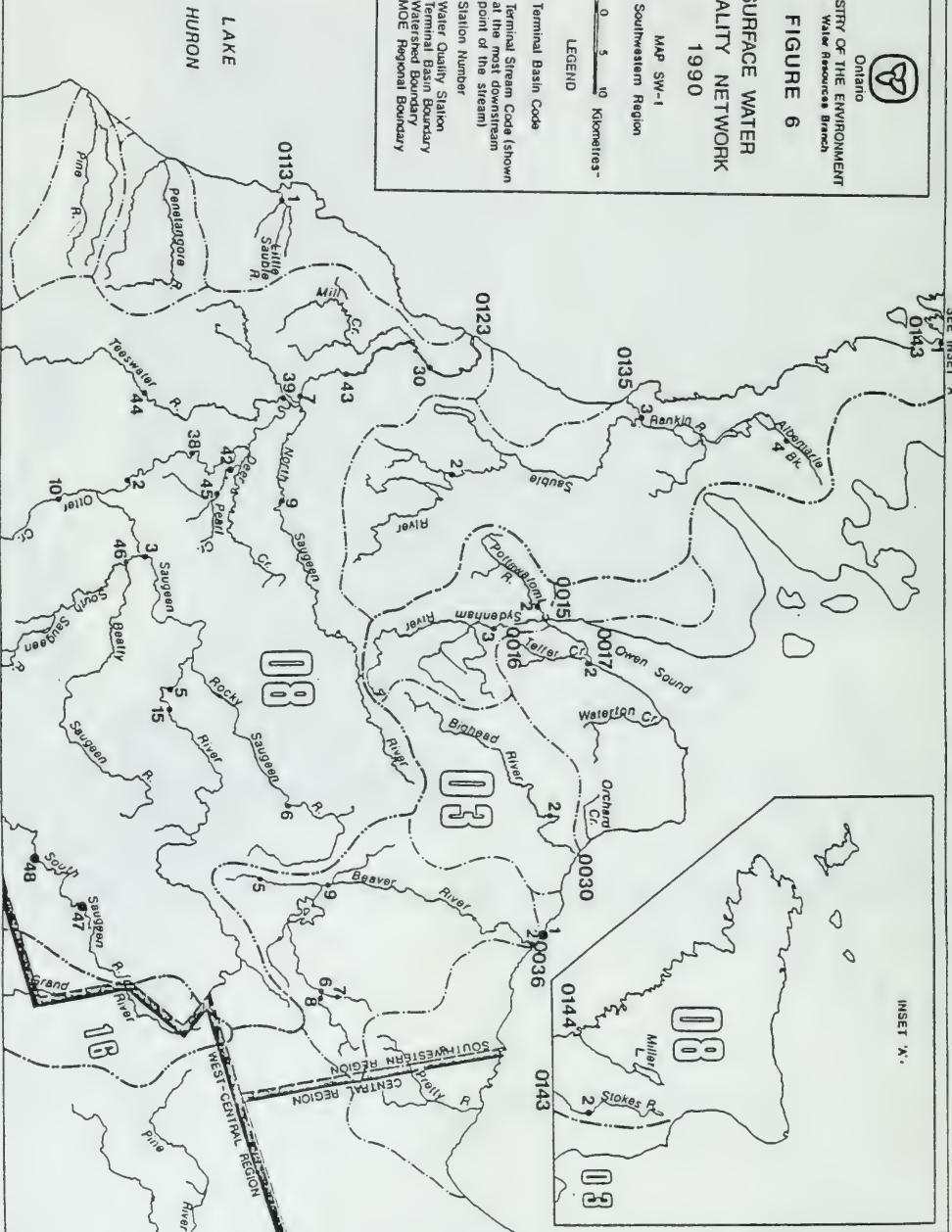
[illegible]

point of the stream)

12 Station Number

- **Water Quality Station**
Terminal 3

— Watershed Boundary





Ontario
MINISTRY OF THE ENVIRONMENT
Water Resources Branch

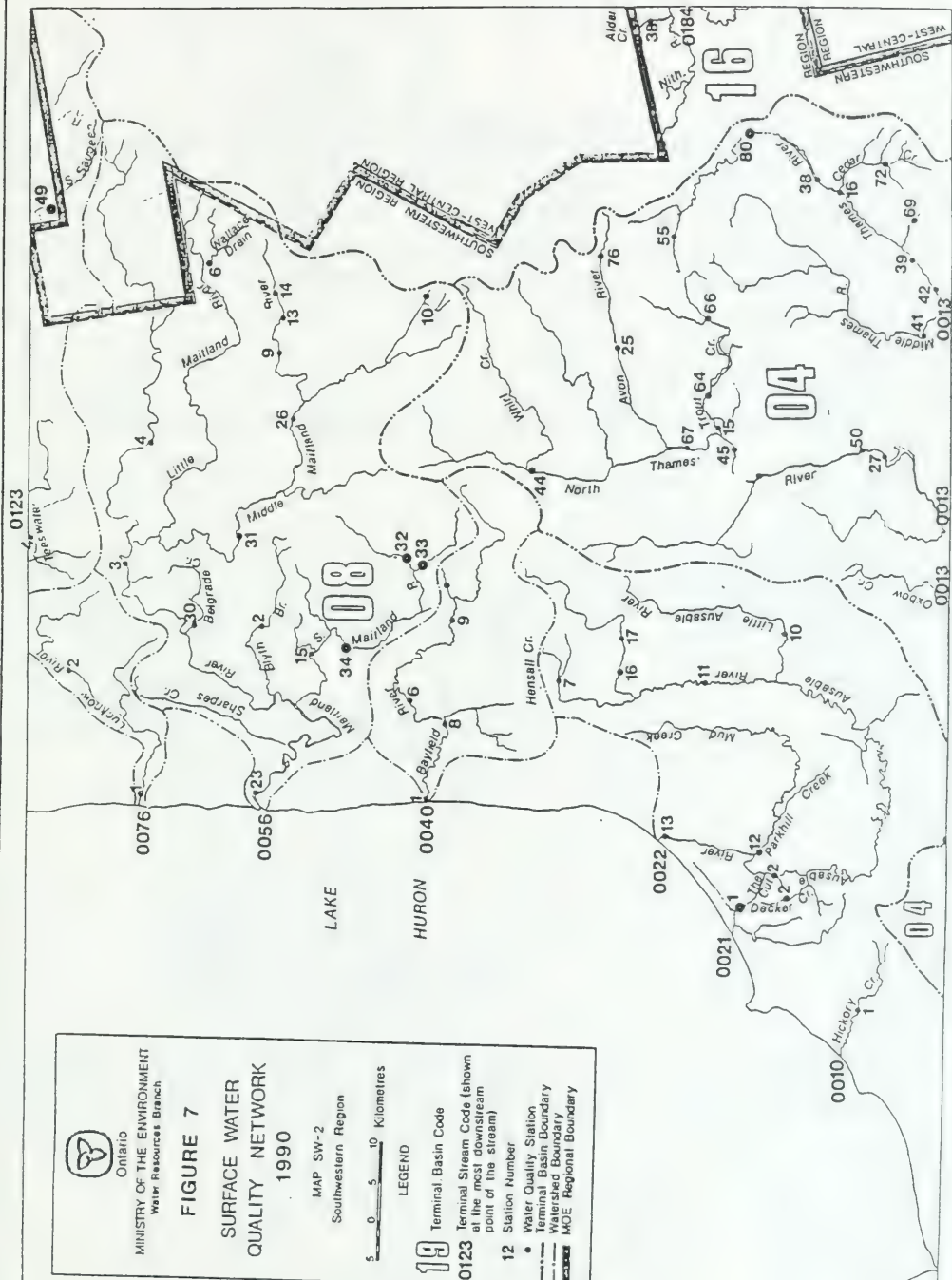
FIGURE 7
SURFACE WATER
QUALITY NETWORK
1990

MAP SW-2
Southwestern Region

5 0 5 10 Kilometres

LEGEND

- 19** Terminal Basin Code
0123 Terminal Stream Code (shown at the most downstream point of the stream)
12 Station Number
• Water Quality Station
— Terminal Basin Boundary
--- Watershed Boundary
- - - - - MDE Regional Boundary



INTERPRETATION OF DATA

The definition of the parameters measured in the Provincial Water Quality Monitoring Program are described in the following pages. The significance of each measurement in regard to specific water uses can be determined by referring to the booklet "Water Management, Goals, Policies, Objectives and Implementation Procedures of the Ministry of Environment, November, 1978". (Revised, May 1984).

A. ANALYSES AND MEASUREMENTS CONDUCTED AT THE SAMPLING SITE

Stream Condition

The physical condition of the body of water is described from an on-site examination at the time of sampling and is represented by a one-digit number from one to zero as follows:

1. Stream dry
2. Frozen to stream bed
3. Stream in flood condition
4. Sampled through ice
5. Suspended algae
6. No apparent algae
7. Profuse weed growth
8. Normal
9. Oil scum or floating matter
0. Objectionable odours

Under some circumstances a combination of up to three of the above conditions may be shown for a given sample at an individual station.

Streamflow

Streamflow information at or near a water quality monitoring site is an important factor when interpreting and employing water quality data. The product of streamflow and concentration defines the mass of material passing a point. Streamflow is also a useful reference when comparing water quality data for different periods of the year (e.g., spring flood versus summer drought).

Flows in many of the streams sampled are measured by the Water Survey of Canada, Inland Waters Directorate, Environment Canada.

Temperature

Water temperature is an important factor when a number of water quality parameters are being evaluated. Temperature directly affects the solubility of gases (e.g., dissolved oxygen) and significantly affects biological and chemical reaction rates.

Temperature is measured at the sampling site with an electronic thermistor or a mercury thermometer.

Dissolved Oxygen

Dissolved oxygen in water originates directly from the atmosphere or through photosynthesis in aquatic plants. Ample dissolved oxygen is necessary to maintain satisfactory conditions for fish and other biological life in water. Organic wastes and some inorganic materials exert, upon decomposition, an oxygen demand which may deplete the dissolved oxygen below levels required by aquatic life.

Dissolved oxygen is measured at the sampling site with an electronic meter or by a chemical titration.

B. ANALYSES AND MEASUREMENTS CONDUCTED AT THE LABORATORY

1. MICROBIOLOGICAL ANALYSES

Total Coliform

The Membrane Filter (MF) technique is used to obtain an approximation of the concentration of total coliform organisms. These organisms are normal inhabitants of soils and the intestines of man and other warm-blooded animals. They are always present in large numbers in sewage and fecal matter, and are often found in watercourses adjacent to industrial, agricultural and other pollution sources.

Results are reported as MF count per 100 mL of sample.

Background Count

The background count estimates the number of organisms, other than coliforms, that occur in the total coliform analysis of a sample. The results are used in the interpretation of total coliform counts. High background counts are generally indicative of poor water quality.

Fecal Coliform and Fecal Streptococcus (Enterococcus) Organisms

Fecal coliform and Enterococcus organisms are generally found in the alimentary tract of warm-blooded animals. They are indicative of sanitary waste intrusion and/or fecal contamination from warm-blooded animals.

Pseudomonas aeruginosa

Pseudomonas aeruginosa are pathogens found in sewage that can be readily isolated. These organisms are sometimes found in bathing

waters and are the major pathological agent in otitis externa (earaches) and skin infections.

Escherichia Coliform (E. Coli)

E. Coli is the predominant, facilitative bacterial species in the large bowel and is thus the coliform most directly related to fecal pollution. Some species of E. Coli are pathogenic to man (e.g., urinary tract infections) but is primarily an indicator organism in water bacteriology.

2. CHEMICAL AND PHYSICAL ANALYSES

Biochemical Oxygen Demand (BOD)

In itself, BOD is not a pollutant and presents no direct harm to the aquatic environment. It is, however, a measure of the unstable organic matter present in water which, through aerobic decomposition, oxidizes to a stable inorganic form utilizing the oxygen resources of a watercourse. The level of BOD is an important parameter in assessing the potential concentrations of dissolved oxygen in water.

Five-day biochemical oxygen demand (BOD_5) is a laboratory measurement of the amount of oxygen consumed in a sample incubated for five days at 20°C.

Total Phosphorus

Phosphorus is a primary nutrient for plant and animal life and like nitrogen passes through cycles of decomposition and photosynthesis. This element is commonly found in nature in the form of inorganic phosphates and organically bound phosphorus. Total phosphorus includes orthophosphate, condensed phosphates and organically bound phosphorus in both the dissolved and particulate form. Untreated

or treated sewage, some industrial wastes and agricultural and urban drainage contain significant concentrations of phosphorus.

Although there is no firm criterion for phosphorus, it is generally considered that to eliminate excessive plant growths in rivers and streams, total phosphorus should not exceed 0.03 mg/L. To avoid nuisance concentrations of algae in lakes, average total phosphorus concentrations for the ice-free period should not exceed 0.02 mg/L.

Filtered Reactive Phosphate

Filtered reactive phosphate is that phosphorus which passes through a 1-2 micrometre filter and responds to a colorimetric orthophosphate determination. It is a combination of simple orthophosphate and readily hydrolyzed phosphate primarily in the dissolved form.

Filtered reactive phosphate is generally considered to be readily available for aquatic plant growth.

Filtered Ammonia Nitrogen

Filtered ammonia nitrogen (ammonia NH_3 and ammonium NH_4^+) is the soluble product in the anaerobic decomposition of nitrogenous organic matter. It is also formed when nitrites and nitrates are reduced either biologically or chemically. Small amounts of ammonia nitrogen may be taken out of the atmosphere by rain water.

Total Kjeldahl Nitrogen

Total Kjeldahl nitrogen is a measure of the total nitrogenous matter present, excluding nitrate and nitrite. The total Kjeldahl nitrogen concentration, less the ammonia nitrogen concentration, gives a measure of the organic nitrogen present.

Ammonia and organic nitrogen are important in assessing the availability of nitrogen for biochemical utilization.

Filtered Nitrite

Nitrite is an intermediate oxidation product of ammonia and also an intermediate form in the denitrification process from nitrate to nitrogen gas. The significance of nitrites, therefore, varies with their amount, source and relation to other constituents of samples (notably the relative magnitude of ammonia and nitrate present).

Since nitrite is rapidly and easily converted to nitrate, its presence in concentrations greater than a few micrograms per litre is generally indicative of active biological processes in the water.

Filtered Nitrate

Nitrate is the end product of the stabilization of organic nitrogen which occurs primarily through aerobic biochemical processes. Nitrate is usually found in polluted waters that have undergone some degree of self-purification. Nitrates can also occur in watercourses intercepting drainage from fertilized agricultural areas.

Nitrogen in the form of nitrate is readily utilized by aquatic plants and algae.

Inorganic Nitrogen

Inorganic nitrogen is a calculated value and represents the sum of the concentrations of filtered ammonia nitrogen and filtered (nitrate plus nitrite) nitrogen.

Organic Nitrogen

Organic nitrogen is a calculated value and represents the difference between the concentrations of total Kjeldahl nitrogen and filtered ammonia nitrogen.

Total Nitrogen

Total nitrogen is a calculated value and represents the sum of the concentrations of total Kjeldahl nitrogen and filtered (nitrate plus nitrite) nitrogen. Nitrogen is a common constituent of decomposition products, treated sewage, fertilizers and industrial discharges. Nitrogen compounds are present in most plant and animal materials.

Solids

Total solids, suspended and dissolved solids are presented as separate parameters in this report. The solids analyses are gross measurements of the amounts of particulate matter and dissolved materials found in water. Solids enter the watercourse from virtually every source, the most familiar being sewage treatment plant effluent, municipal storm drainage, industrial discharges and soil erosion.

Solids significantly affect water uses. Highly turbid water is undesirable for municipal and industrial supply, fish and aquatic life, recreation and aesthetics. Suspended solids can also transport significant quantities of organic and inorganic trace contaminants.

Conductivity

The conductivity test provides a measure of the electrolytic properties of water. The presence of dissolved ions (in solution) such as chlorides, sulphates and calcium, renders water conductive.

Conductance, the reciprocal of resistance, is recorded in the unit mho and in order to avoid inconvenient decimals, data are reported in micromhos per cubic centimetre. In many waters there is a direct linear relationship between dissolved solids concentrations and conductivity.

Conductivity serves as a control parameter and is an excellent indicator of water-quality changes since it is relatively sensitive to variations in dissolved-solids concentrations.

Turbidity

The turbidity of water is attributable to suspended and colloidal matter such as micro-organisms, detritus, clay and other mineral substances which reduce clarity and diminish the penetration of light.

Turbidity is undesirable in surface waters used for domestic and industrial supply and for recreation. Often some of the suspended matter has to be removed to prevent interference with disinfection processes and abrasion to equipment. By interfering with the penetration of light, turbidity does seriously affect aquatic biological communities.

Chlorides

Chlorides are found in practically all natural waters. They may be of natural mineral origin but in general the largest contributions can be traced to domestic sewage discharge, municipal storm drainage, road salting, and industrial wastes.

While not harmful to health in moderate quantities, high concentrations of chlorides make water unfit for municipal and industrial supplies and livestock watering. In addition to imparting an objectionable taste to water, high chloride levels are responsible for increased corrosiveness of water. Furthermore,

chloride, being toxic to many plants, may render water undesirable for irrigation.

Sulphate

Sulphates may occur naturally in waters and may be contained in industrial wastes. They are produced from the final oxidation stage of sulphides, sulphites and thiosulphates. Sulphates, under anaerobic conditions, can be reduced to hydrogen sulphide which is malodorous (the odour of rotten eggs) and highly corrosive.

Sulphide

Sulphide is formed by bacterial reduction of sulphate and organic sulphur compounds under anaerobic conditions. It is therefore, commonly found in domestic wastewater, industrial wastewater, sludge, hypolimnion of stratified lakes and any other aquatic systems where anaerobic conditions prevail. As a result, concentrations in surface waters are usually negligible.

Unfiltered Reactive Silicate

Silicon occurs in sand or quartz as silica and as silicates in feldspar, kaolinite and other minerals. Silicon dioxide, or silica, is insoluble in waters or acids, except hydrofluoric acid, but it may occur in natural waters as finely divided or colloidal suspended matter. Silica is widely employed in industry for making glass, silicates, ceramics, abrasives, enamels, petroleum products, etc.

In concentrations found in natural and treated waters, silica or silicates have no adverse physiological effects. Silicates are essential to the growth of many aquatic organisms.

The data which appear under the heading "Reactive Silicate" should properly be referred to as "Unfiltered Reactive Silicate" and are

reported as Silicon (Si). Data in this series of publications prior to 1975 were reported as Silica (SiO_2).

Acidity

Acidity in surface or ground waters may be attributable to natural causes, such as humic acids extracted from swamps or peat beds, or industrial wastes such as pickling liquors, effluent from the manufacture of explosives, acid mine drainage or sulphite waste liquors. It may also be affected by atmospheric inputs.

Acidity is best interpreted in conjunction with the pH and alkalinity, as well as any other analyses which identify the acidic components of water.

Alkalinity

Alkalinity in general, is the sum of all the components in the water system that act to buffer the water against changes in pH. The alkalinity of natural waters is caused by three major classes of materials which may be ranked in order of their effect on pH as follows:

1. Hydroxides (rarely present in Ontario)
2. Carbonates
3. Bicarbonates and other salts of weak acids

The alkalinity of water has little sanitary significance but is of importance in water and waste treatment practices. Waters with high alkalinity under natural conditions are undesirable because of their associated excessive hardness.

pH

The symbol pH is used to designate the logarithm (base 10) of the reciprocal of the hydrogen-ion concentration. It is an index of

the acidity or alkalinity of the solution. The practical pH range extends from 0, very acidic, to 14, very alkaline, with the middle value of pH 7 corresponding to exact neutrality at 25°C.

The pH is important in determining the appropriate treatment of water supplies.

Iron

Iron is one of the most abundant elements in the earth's crust and it is a constituent of many industrial wastes.

When sufficient iron is added to water in the presence of salts (chlorides, nitrates, sulphates), ferrous or ferric oxide precipitates (iron hydroxides) causing low pH values which are toxic to aquatic life. Iron in water may also result in the growth of iron bacteria causing unpalatable taste, discolouration of cloths and plumbing fixtures, and the formation of scales in water mains.

Phenols

The phenolic compounds, collectively referred to as phenols, are those hydroxyl derivatives of benzene or its condensed nuclei, which are determined by the 4-amino antipyrine method. The results are reported from many industrial processes and may also be released from aquatic plants and decaying vegetation.

Depending on the concentration, the presence of phenolic compounds may be toxic to fish, and may taint the flesh of fish. Phenols in very minute concentrations will combine with chlorine to produce tastes and odours in water which are usually described as medicinal or chemical.

Hardness

Water hardness relates to a water's capability to produce lather from soap. The higher the hardness, the less lather will be formed. Hardness in water is caused by dissolved divalent metal ions, calcium and magnesium being the most common. Natural hardness occurs most frequently in limestone areas. The limestone is dissolved by contact with ground and surface water and releases calcium and magnesium ions and traces of contaminant metals.

Hard water, though not considered a health hazard, is undesirable for industrial and domestic water supplies because it has a number of detrimental effects, the most common being the formation of scale in boilers, pipes and water heaters, excessive soap consumption in home and commercial laundering, and adverse affects in textile, plating and canning industries.

Results appear under either the heading "Hardness" and "Calculated Hardness", depending on the analytical procedure. The former results are obtained through titration with ethylene-diamine-tetra acetic acid (EDTA), the latter by calculation from magnesium (Mg) and calcium (Ca) results determined by Atomic Absorption Spectrophotometry (AAS).

Calcium

Calcium is relatively abundant in the earth's crust and readily soluble in water so that calcium salts and calcium ions are among the most commonly encountered substances in water. They may result from the leaching of soil and may be contained in sewage and industrial wastes.

Excessive calcium and magnesium in drinking water have been implicated as factors pre-disposing to the formation of concretions in the body, such as kidney or bladder stones. On the other hand, there is also evidence of adverse physiological effects from an

insufficiency of calcium in water. The calcium ion is a major contributor to hardness and is often responsible for boiler scale deposits on cooking utensils and excessive soap requirements in washing and laundering. Where water is used for irrigation, calcium is beneficial to plant growth.

Magnesium

Magnesium is an abundant element and a common constituent of natural waters. Magnesium ranks with calcium as a major cause of hardness. The effects of magnesium of water used for consumption and irrigation are generally the same as those of calcium. Magnesium is considered relatively non-toxic to man and not a public health hazard because before toxic concentrations are reached in water, the taste becomes quite unpleasant.

Colour

Colour in water may be of natural mineral or vegetable origin caused by metallic substances such as iron and manganese compounds, humus material, peat, tannins, algae, weeds, and protozoa. Waters may also be coloured by inorganic or organic soluble wastes from industries, such as steelworks, mining, refining, pulp and paper, chemicals, and others. Returned irrigation water also contributes to colour.

Colour from natural origin is not considered harmful from a health standpoint. However, in domestic water, colour is undesirable because of aesthetic considerations.

Potassium

Potassium occurs in many minerals and potassium salts exist in natural waters as a result of contact with potassium-bearing soils and the introduction of certain industrial wastes. The common

salts of potassium are highly soluble in water. They resist separation from water by natural processes other than evaporation.

In limited concentrations, potassium is an essential nutrient. Excessive amounts of certain potassium salts in water may have detrimental effects on the digestive and nervous systems.

Sodium

Sodium salts are common to all natural waters and may be present in high concentrations in wash waters softened by exchanging calcium and magnesium ions for sodium. Sodium is also found in many industrial process effluents, domestic wastes and salts used in road de-icing.

Concentration of salts such as sodium chloride impact objectionable tastes and may render water unpalatable.

Total Organic Carbon (TOC)

Total organic carbon (TOC), the most significant carbon measurement from a water-quality assessment viewpoint, is the arithmetic difference between total carbon (TC) and total inorganic carbon (TIC).

Total organic carbon usually has a direct relationship with Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) values, but the relationship varies with the composition of the organic material present. The carbon tests are rapid and suitable for the evaluation of organic pollution levels, assessment of waste treatment efficiencies and to a limited extent, the potential demand of a waste discharge on the oxygen resources of a water body.

Dissolved Organic Carbon (DOC)

The organic content of lakes and rivers depends primarily on the products of plants and animals which those water bodies support. Most of the organic carbon in water is composed of humic substances and partly degraded plant and animal materials, some of which is resistant to microbial degradation. Runoff from agricultural land and industrial discharge from industries such as pulp and paper will add organic carbon to the water. The degradation of large amounts of organic matter causes depletion of the dissolved oxygen concentration and hence, organic carbon is also measured on sewage and industrial waste samples.

Chemical Oxygen Demand (COD)

The chemical oxygen demand is used in measuring the strength of sewage and industrial wastes. The major advantage of this test is that laboratory results can be obtained in about three hours compared to five days for the five-day biochemical oxygen demand test. The chief limitation of the COD analysis is its inability to differentiate between biologically oxidizable and biologically inert organic matter. The COD almost always exceeds the biochemical oxygen demand.

Solvent Extractables

The solvent extractable test measures the total quantity of substances present in a water sample that is readily soluble in an appropriate organic solvent. Such substances include fatty acids, petroleum products, oils, greases and resins. They are generally found in effluents of oil refineries, meat packing plants, slaughter houses, dairies, canneries, and a variety of other industries.

Solvent soluble materials greatly increase the oxygen depletion rate in receiving waters and will hinder oxygen exchange with the atmosphere by forming slicks.

Arsenic

Arsenic occur naturally, to a small extent, mostly as sulphides and as arsenides of metals. Elemental arsenic is insoluble in water; but many of the arsenates are highly soluble. Highest levels of arsenic in Ontario are found in watercourses downstream of wastewater discharges from metal smelting operations.

Arsenic is very toxic to humans and the trivalent forms are largely retained in the body tissues. Low concentrations of arsenic stimulate plant growth but higher concentrations destroy chlorophyll in the foliage.

Mercury

Mercury may occur naturally as a free metal or as mercuric salts, the most common being cinnabar, HgS . Both elemental mercury and HgS are insoluble in water and are not likely to occur as water pollutants. Many synthetic organic salts of mercury are used commercially and these salts are highly soluble in water.

Mercury is cumulative and toxic to humans and can be concentrated and transferred up the food chain to a point where commercial and game fish may become unsuitable for human consumption. Micro-organisms can methylate inorganic mercury under both aerobic and anaerobic conditions to produce a more toxic substance.

Aluminium

Aluminium occurs in many rocks and ores but never as a pure metal in nature. In streams, the presence of aluminium ions may result

from industrial wastes or more likely from wash water from water treatment plants.

Chromium

Few waters contain chromium from natural sources since chromium is generally present in rocks and soils as insoluble chromic oxide which is strongly sorbed to particulate matter. Chromate or dichromate salts are used extensively in metal pickling and plating operations, in anodizing aluminium, in the leather industry as a tanning agent, and in the manufacture of paints, dyes, explosives, ceramics, paper and many other substances. Chromic or chromite salts on the other hand, are used much less extensively, being employed as mordants in textile dyeing, in the ceramic and glass industry and in photography. Chromium compounds may be present in wastes from many of these industries or may be discharged in chromium-treated cooling waters where the chromium is used as a corrosion inhibitor.

There is no evidence that chromium salts are essential or beneficial to human nutrition. Salts of trivalent chromium are not considered to be physiologically harmful; however, large doses of chromates lead to corrosive effects in the intestinal tract and to nephritis. Both the chromic and chromate ions are toxic to plants and interfere with the uptake of essential elements.

Copper

Copper salts occur in natural surface waters in trace concentrations and may occur in industrial waste discharges. Copper is used as an algicide for the control of undesirable algae growth and in the treatment of soils as a fungicide.

Copper compounds are toxic to plants and aquatic life.

Lead

Some natural waters contain lead in solution. Lead may be introduced into water as a constituent of various wastes including industrial and mining effluents, lead plumbing and automobile exhaust. Certain lead salts, such as acetate and chloride, are readily soluble. However, lead which occurs in the carbonate, hydroxide and sulphate forms is sparingly soluble and will not remain long in natural waters.

Lead is a cumulative poison that tends to be deposited in the bone. The intake that can be regarded as safe cannot be stated definitely because the sensitivity of individuals to lead differs considerably. Studies on fish indicate that in water containing lead salts, a film of coagulated mucus forms over the gills and then the entire body, probably as a result of a reaction between lead and an organic constituent of mucus. Subsequently, the fish will die due to suffocation. The toxic effects of lead on fish decreases with increasing hardness and dissolved oxygen.

Cadmium

In the elemental form, cadmium is insoluble in water. It occurs in nature largely as a sulphide salt, greenockite or as a cadmium blend and often as an impurity in zinc-lead ores.

Cadmium salts are cumulative and highly toxic to man, and have been implicated in some cases in the cause of food poisoning. Consumption of cadmium salts causes cramps, nausea, vomiting, and diarrhea. Cadmium affects reproduction in fish and zooplankton; however, the toxic effects vary with species and time of exposure.

Zinc

Generally, zinc occurs only in trace amounts in surface waters. The zinc ion is believed to adsorb strongly and permanently on particulate matter (e.g. silt) which settles out of suspension.

Zinc has no known adverse physiological effects upon man except at very high concentrations. At such concentrations, zinc gives water a milky appearance and causes a greasy film on boiling, thus making it unattractive for domestic water supply. Zinc is toxic to aquatic organisms and its toxicity decreases with increasing hardness.

Manganese

Manganese is similar to iron in that it is found in many industrial wastes and occurs in soils as manganic and manganous compounds. Under anaerobic conditions the manganic ion is reduced to soluble nitrate, sulphate, and chloride salts of manganese and is leached, along with iron, into ground and surface waters. Like iron, its presence may indicate domestic or industrial pollution.

Water with high manganese content is undesirable for its taste, colour and tendency to form deposits on cooking utensils.

Nickel

Nickel in ores and minerals is insoluble; but as a salt (nickel ammonium sulphate, nickel nitrate, nickel chloride) is highly soluble. Electroplating wastes may contain substantial amounts of nickel salts.

Nickel and its salts have generally proven to be non-toxic to man even at very high levels. Contact with nickel salt solutions may result in dermatitis and repeated inhalations of nickel compounds can cause lung cancer.

Fluoride

Fluorides in high concentrations are not a common constituent of natural surface waters, but may naturally occur in detrimental concentrations in ground waters.

Excess concentrations affect animal breeding efficiency and may have detrimental effects on some plants.

Cyanide

One of the major sources of cyanide in Northern Ontario is associated with the gold mining and milling industry. Also cyanide is likely to occur in effluent from gas works and coke ovens, from the scrubbing of gases produced from blast furnaces, in wastes from surface cleaning or various metals, in electroplating processes and other chemical industries.

Cyanide in water is toxic to biological life, the lethal concentration depending on water quality, temperature, type and size of organism. The toxicity of cyanide increases with decreases in dissolved oxygen below the saturation level.

Cobalt

Cobalt occurs naturally in the minerals cobaltite, smaltite and erythrite. It is widely used in the manufacture of alloys, the tungsten carbide tool industry and as pigments used in glass staining.

Cobalt is an essential element at trace levels for both animals and plant nutrition. It is known to be one of the main constituents of Vitamin B₁₂. Adverse effects due to cobalt are very slight even at high concentrations.

3. RADIOCHEMICAL ANALYSES

All elements are made up of atoms, each of which consists of a central nucleus surrounded by a number of electrons. Some nuclei are radioactive; they emit excess energy in the form of ionizing radiation as a result of nuclear disintegrations. The three types of ionizing radiations which are of principal interest in environmental studies are referred to as alpha, beta and gamma radiations.

1. Alpha rays are streams of fast moving helium nuclei. These are particles which can travel only a few centimetres in air and can be stopped by a sheet of paper or a layer of skin.
2. Beta rays are streams of fast moving electrons which are very much lighter than helium nuclei. The maximum range of most common beta rays is a few metres in the air or one to two centimetres in the human body.
3. Gamma rays are highly penetrating electromagnetic radiation of the same family as radio waves and x-rays. Like x-rays, gamma mass rays can pass right through the human body.

The number of nuclear disintegrations occurring in a substance per second is a measure of its radioactivity. The unit of radioactivity used in this report is becquerel (Bq). One becquerel equals one nuclear transformation per second and corresponds to approximately 27 picocuries (a measure of radioactivity used in previous reports). Radiological half life is the length of time required for one half of the unstable atom to disintegrate or change (i.e., radioactive decay).

Exposure to radiation is characterized by the transfer of energy to molecules of the cells which make up body tissues and organs. This can affect the normal function of the cells, resulting in damage to the tissues and organs. Exposure to the small doses of radiation

which might be encountered in the environment will not result in immediate detectable damage; however, long-term effects may result. These effects are in the apparently random occurrence of induced cancers and genetic defects in a small proportion of the exposed population. The numbers of effects induced are considered to be directly proportional to the amount of absorbed radiation.

Gross-alpha

Gross-alpha is a measure of the total radioactivity of all the alpha emitting materials in a sample. Measurements of gross-alpha activity provide useful reference points to enable trends to be detected. However, the results cannot be used to determine radiation dose or health effects since the short range of alpha particles means that some will not be detected, thereby causing an underestimation of the total activity. Also, the alpha particles may be emissions from a mixture of materials that are radiologically and biologically different.

Gross-beta

Gross-beta is a measure of the total radiation of all the beta emitting materials in a sample. Measurements of gross-beta activity provide useful reference points to enable trends to be detected but cannot be used to determine radiation dose or health effects. .

Radium-226

Radium-226 is a naturally occurring alpha-particle emitter formed from the decay of uranium-238 and has a radiological half life of 1602 years.

Uranium-total

Total uranium exists primarily as the isotope uranium-238 with less than 1% occurring as uranium-235. Uranium is a naturally occurring alpha-particle emitter which was formed at the same time as the earth (about 5×10^9 years) and is still present in significant quantities due to its extremely long radiological half-life (4.5×10^9 years).

Cesium-137

Cesium-137 is a beta-particle emitter formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-137 is readily adsorbed and retained by biological systems. Its radiological half life is 30 years.

Cesium-134

Cesium-134 is a beta-particle emitter also formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-134 is of less importance than Cesium-137 as its radiological half-life is only 72 hours.

Cobalt-60

Cobalt-60 is primarily formed in atomic reactor operation due to the neutron activation of trace quantities of cobalt-59 found in steel. Insignificant quantities are also formed from nuclear weapons detonation. Cobalt-60 has a radiological half life of 5.3 years and emits both beta and gamma radiation.

Tritium

Tritium exists fairly uniformly in the environment as a result of natural production by cosmic radiation and residual fallout from

nuclear weapons tests. This background level is gradually being increased by the use of nuclear reactors to generate electricity.

Current tritium from the nuclear power industry comprises a small proportion of environmental tritium in comparison with that from nuclear weapons fallout and naturally produced tritium. However, nuclear reactors and fuel-processing plants are localized sources of tritium because of discharges during normal operation. This industry is expected to become the major source of environmental tritium contamination some time in the future if present growth trends continue and nuclear explosion in the atmosphere is not resumed. Tritium is produced in light water nuclear reactors by ternary fission, neutron capture in coolant additives, control rods and plates, and activation of deuterium. About 1% of the tritium in the primary coolant is released in gaseous form to the atmosphere; the remainder is eventually released in liquid waste discharges. Most of the tritium produced in reactors remains in the fuel and is released when the fuel is reprocessed.

Naturally occurring tritium is most abundant in precipitation and lowest in aged water because of its physical decay by beta emission to helium.

Iodine

Iodine is a chemical oxidant. It disinfects in a manner similar to chlorine. Iodine is the least soluble of all the halogens, hence it is the least likely to be hydrolyzed by water. It also has the lowest oxidation potential, that is, it reacts more slowly with organic compounds than chlorine. Because of this stability, iodine does not react with nitrogenous compounds as does chlorine. Iodine remains effective through a wider range than chlorine; chlorine becomes less stable at pH of 8 as compared to iodine at pH of 10.

4. SYNTHETIC ORGANIC ANALYSES

The synthetic organic compounds referred to in this section are classified as pesticides and industrial chemicals. These compounds contain linked carbon atoms in their chemical structure and are, for the most part, synthesized from common chemicals. Furthermore, they may be subdivided into chemical families of compounds sharing common characteristics. For example, organochlorine compounds (chlorinated hydrocarbons) contain chlorine, hydrogen and carbon in their structure; they have a tendency to accumulate in the fatty tissues of animals and are stable compounds (i.e., persistent).

Until recently, only a few classes of synthetic organic compounds such as drugs, food additives and pesticides were controlled by legislation. For example, the only pesticides which may be offered for sale in Ontario are those which have been registered under the authority of the Pest Control Products Act which is administered by Agriculture Canada. The term pesticide includes insecticides, herbicides and fungicides which are chemical compounds used to control insects, weeds or fungi (i.e., "pests") that attack crops, animals and man. In contrast to the regulation of pesticides, thousands of unregistered synthetic organic chemicals are in daily use as raw materials, products and additives. Very little is known about their possible health and environmental effects because of their sheer number and diversity of use. Many are not hazardous, but the adverse effects already encountered by some have created concern for preventative measures of both known and potentially hazardous substances.

Polychlorinated Biphenyls (PCBs)

PCBs are a range of industrial chemicals produced by direct chlorination of biphenyl. The North American products in this family are sold under the name Aroclor. Aroclors are characterized by a four digit number, such as (Aroclor 1242, or Aroclor 1254, of which the last two digits refer to the weight percentage of

chlorine in the products. There are 208 possible compounds which could be formed by this reaction. Each product is a different mixture of up to 100 of these, each with its own unique physical, chemical and biological properties.

The main characteristics of PCBs are their chemical, physical, biological inertness and electrical insulating properties. They have been widely used in transformers and capacitors, as heat exchange fluids or plasticizers, and is present in inks, paint, lubricants, and many other products. Spills and waste disposal practices have resulted in very large inputs of these chemicals to all facets of the environment.

PCBs are lipophilic, and thus continuing environmental inputs have led to biological uptake and concentration. Of particular concern are the excessive levels detected in some fish. Levels in water and air to date have not demonstrated a threat to human health, as might arise from fish consumption. PCBs have been shown to be both acutely and chronically toxic, carcinogenic and teratogenic (to cause developmental malformations). Limits for human consumption have been set on the basis of tests on monkeys and rats. The present acceptable level of PCBs in fish is 2.0 ppm. However, 0.1 ppm has been suggested as a level for protection of the fisheries resource from reproductive failure. Long-term use of PCBs, at elevated temperatures, and inefficient incineration of these materials have been shown to produce the highly toxic chlorodibenzofurans, closely related to dioxins.

Trichlorophenoxyacetic Acid (2,4,5-T)

2,4,5-T is a chlorophenoxy acid herbicide. Other members of this family include 2,4-D and 2,4,5-TP which were introduced as selective weed killers at the end of World War II. Their uses include weed control in cereal crops, lawns, along roadsides, hydro and railroad rights-of-way, and control of aquatic weeds.

STATION IDENTIFIER CODES, QUALIFYING REMARKS CODES
AND ABBREVIATED PARAMETER HEADINGS

Station Identifier Codes

The station identifier codes which appear in the index and the top right-hand corner of the data pages are numerical descriptions of the sampling station locations and are used primarily for electronic data processing of the water quality data. The eleven digit figure is decoded as follows: the first two digits refer to the terminal basins (see figures 2 and 3), the following four digits refer to the river basin (each river basin in a terminal basin is assigned a unique number), the next three digits refer to the station number within the river basin and the last two digits refer to the type of sample (e.g. 01-lake sample, 02-stream sample, 82 to 89-composite sample, e.g. 83 - 3 part composite across a station sampling range).

Qualifying Remark Codes

Distance

The distance in kilometres is measured along the centre line of a watercourse to the sampling station location from the junction of the related terminal stream and terminal basin.

Abbreviated Headings

BOW	body of water
STN NO	base station number
LAT	latitude
LONG	longitude
UTM	Universal Transverse Mercator Grid
SAMP DTE DY MO YR	sample date; day, month, year
HOURL LMT	hour(s) local mean time (2400 hour clock)
STN DIST FEET	distance from base station (in feet) (not applicable)
STN BRG	bearing of sampling point (deg N) from base station (not applicable)
SAMP DEPTH MTRS	sample depth (in metres)
PJ	project (not applicable)

Abbreviated Parameter Headings

The following list are alphabetic codes, appearing as parameter headings, are a series of unique codes used for computer processing. Each alphabetic code identifies a particular water quality parameter analyzed by the laboratory.

TEST NAME DESCRIPTION

TEST NAME -----	DESCRIPTION OF TEST -----	UNITS OF MEASURE -----
ACDT	ACIDITY, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
ALKT	ALKALINITY, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
ALKTI	ALKALINITY, INFLECTION POINT	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
ALUT	ALUMINIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ALUMINIUM
ASUT	ARSENIC, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ARSENIC
B3001X	PHENANTHRENE	NANOGRAM PER LITRE
B3002X	ANTHRACENE	NANOGRAM PER LITRE
B3003X	FLUORANTHENE	NANOGRAM PER LITRE
B3004X	PYRENE	NANOGRAM PER LITRE
B3005X	BENZ(A) ANTHRACENE	NANOGRAM PER LITRE
B3006X	CHRYSENE	NANOGRAM PER LITRE
B3007X	DIMETH BENZ(A) ANTHRACENE	NANOGRAM PER LITRE
B3008X	BENZO(E) PYRENE	NANOGRAM PER LITRE
B3010X	BENZO(B) FLUORANTHENE	NANOGRAM PER LITRE
B3011X	PERYLENE	NANOGRAM PER LITRE
B3012X	BENZO(K) FLUORANTHENE	NANOGRAM PER LITRE
B3013X	BENZO(A) PYRENE	NANOGRAM PER LITRE
B3014X	BENZO(G,H,I) PERYLENE	NANOGRAM PER LITRE
B3015X	DIBENZ(A,H) ANTHRACENE	NANOGRAM PER LITRE
B3016X	INDENO(1,2,3-C,D) PYRENE	NANOGRAM PER LITRE
B3017X	BENZO(B) CHRYSENE	NANOGRAM PER LITRE
B3019X	CORONENE	NANOGRAM PER LITRE
BAUT	BARIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS BARIUM
BOD5	BOD, 5 DAY, TOTAL DEMAND	MILLIGRAM PER LITRE AS OXYGEN
CAUR	CALCIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS CALCIUM
CCNAUR	CYANIDE, AVAIL, UNFIL.REAC	MILLIGRAM PER LITRE AS HYDROGEN CYANIDE
CCNFUR	CYANIDE, FREE, UNFIL.REACTIVE	MILLIGRAM PER LITRE AS HYDROGEN CYANIDE
CDUT	CADMIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CADMIUM
CLIDUR	CHLORIDE, UNFIL.REAC	MILLIGRAM PER LITRE AS CHLORIDE
COD	CHEMICAL OXYGEN DEMAND	MILLIGRAM PER LITRE AS OXYGEN
COLTR	COLOUR, TRUE	TRUE COLOUR UNITS (TCU)
COND25	CONDUCTIVITY, 25C	MICROMHOS/CM (CONDUCTIVITY)
CONDAM	CONDUCTIVITY, AMBIENT	MICROMHOS/CM AT AMBIENT TEMPERATURE
COUT	COBALT, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS COBALT
CRUT	CHROMIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CHROMIUM
CUUT	COPPER, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS COPPER (CUPRUM)

TEST NAME DESCRIPTION

TEST NAME -----	DESCRIPTION OF TEST -----	UNITS OF MEASURE -----
D10ACE	D10-ACENAPHTHENE	MICROGRAM PER LITRE
D10PHE	D10-PHENANTHRENE	MICROGRAM PER LITRE
D12CHR	D12-CHRYSENE	MICROGRAM PER LITRE
D12PER	D12-PERYLENE	MICROGRAM PER LITRE
D8NAPH	D8-NAPHTHALENE	MICROGRAM PER LITRE
DIC	CARBON, DISSOLVED INORGANIC	MILLIGRAM PER LITRE AS CARBON
DO	DISSOLVED OXYGEN	MILLIGRAM PER LITRE AS OXYGENH
DOC	CARBON, DISSOLVED ORGANIC	MILLIGRAM PER LITRE AS CARBON
ECIGMF	ESCHERICHIA COLI MF--IG	COUNTS PER 100 ML
ECMF	ESCHERICHIA COLI MF	COUNTS PER 100 ML
ECMPN	E.COLI BY MPN	RESULT = 1 MEANS COMPOUND PRESENT
FCMF	FECAL COLIFORM MF	COUNTS PER 100 ML
FEUT	IRON, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS IRON AS (FERRUM)
FSMF	FECAL STREPTOCOCCUS MF	COUNTS PER 100 ML
FPH	PH FIELD	
FWSTRC	STREAM CONDITION	
FWTEMP	TEMPERATURE, WATER	DEGREES CELCIUS
HARDT	HARDNESS, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
HGUT	MERCURY, UNFILTERED TOTAL	MICROGRAM PER LITRE AS MERCURY (HYDRARGYRUM)
IONCAL	ION BALANCE CALCULATION	
KKUR	POTASSIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS POTASSIUM (KALIUM)
MGUR	MAGNESIUM, FILTERED REACTIVE	MILLIGRAM PER LITRE AS MAGNESIUM
MNUT	MANGANESE, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS MANGANESE
MOIST	MOISTURE	PERCENT
MOUT	MOLYBDENUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS MOLYBDENUM
NAUR	SODIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SODIUM
NIUT	NICKEL, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS NICKEL
NNHTFR	AMMONIUM, TOTAL FILTER.REAC	MILLIGRAM PER LITRE AS NITROGEN
NNHTUR	AMMONIUM, TOTAL UNFIL.REAC	MILLIGRAM PER LITRE AS NITROGEN
NNO2FR	NITRITE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNO2UR	NITRITE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNO3FR	NITRATE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNO3UR	NITRATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNOTFR	NITRATES TOTAL, FILTER.REAC	MILLIGRAM PER LITRE AS NITROGEN

TEST NAME DESCRIPTION

TEST NAME ----	DESCRIPTION OF TEST -----	UNITS OF MEASURE -----
NNTKUR	NITROGEN, TOT, KJELDAHL/UNF.REA	MILLIGRAM PER LITRE AS NITROGEN
P1ALDR	ALDRIN	NANOGRAM PER LITRE
P1BHCA	HEXACLOROCYCLOHEX, ALPHA-BHC	NANOGRAM PER LITRE
P1BHCB	HEXACLOROCYCLOHEX, BETA-BHC	NANOGRAM PER LITRE
P1BHCG	HEXACLOROCYCLOHEX, GAMMA-BHC	NANOGRAM PER LITRE
P1CHLA	CHLORDANE, ALPHA	NANOGRAM PER LITRE
P1CHLG	CHLORDANE, GAMMA	NANOGRAM PER LITRE
P1DIEL	DIELDRIN	NANOGRAM PER LITRE
P1DMDT	DMDT METHOXYCHLOR	NANOGRAM PER LITRE
P1END1	ENDOSULFAN I	NANOGRAM PER LITRE
P1END2	ENDOSULFAN II	NANOGRAM PER LITRE
P1ENDR	ENDRIN	NANOGRAM PER LITRE
P1ENDS	ENDOSULFAN, SULPHATE	NANOGRAM PER LITRE
P1ENDT	ENDOSULFAN, TOTAL (CACCULATED)	NANOGRAM PER LITRE
P1HEPE	HEPTACHLOREPOXIDE	NANOGRAM PER LITRE
P1HEPT	HEPTACHLOR	NANOGRAM PER LITRE
P1MIRX	MIREX	NANOGRAM PER LITRE
P1OCHL	OXYCHLORDANE	NANOGRAM PER LITRE
P1OPDT	OP-DDT	NANOGRAM PER LITRE
P1PCBT	PCB TOTAL	NANOGRAM PER LITRE
P1PPDD	PP-DDD	NANOGRAM PER LITRE
P1PPDE	PP-DDE	NANOGRAM PER LITRE
P1PPDT	PP-DDT	NANOGRAM PER LITRE
P1TOX	TOXAPHENE	NANOGRAM PER LITRE
P2ATRA	ATRAZINE	NANOGRAM PER LITRE
P2CYAN	CYANAZINE	NANOGRAM PER LITRE
P2CYPR	CYPRAZINE	NANOGRAM PER LITRE
P2DATR	ATRAZINE, DEETHYLATED	NANOGRAM PER LITRE
P2PROM	PROMETONE	NANOGRAM PER LITRE
P2SENC	SENCOR	NANOGRAM PER LITRE
P2SIM	SIMAZINE	NANOGRAM PER LITRE
P3245T	245 TRICHLOROPHOXYACETIC	NANOGRAM PER LITRE
P324D	24 DICHLOROPHOXYACETIC	NANOGRAM PER LITRE
P324DB	24 DICHLOROPHOXYBUTYRIC	NANOGRAM PER LITRE
P324DP	24 DP	NANOGRAM PER LITRE

TEST NAME DESCRIPTION

TEST NAME -----	DESCRIPTION OF TEST -----	UNITS OF MEASURE -----
P3DICA	DICAMBA	NANOGRAM PER LITRE
P3MCPA	MCPA	NANOGRAM PER LITRE
P3MCPB	MCPB	NANOGRAM PER LITRE
P3MCPP	MECOPROP	NANOGRAM PER LITRE
P3PICL	PICLORAM	NANOGRAM PER LITRE
P3SILV	SILVEX	NANOGRAM PER LITRE
P4CLFH	CHLOROFENVINPHOS	NANOGRAM PER LITRE
P4DEMT	DEMETON	NANOGRAM PER LITRE
P4DIAZ	DIAZINON	NANOGRAM PER LITRE
P4DIME	DIMETHOAK	NANOGRAM PER LITRE
P4DURS	DURSBAN	NANOGRAM PER LITRE
P4ETHI	ETHION	NANOGRAM PER LITRE
P4GUTH	GUTHION	NANOGRAM PER LITRE
P4LEPO	LEPTOPHOS	NANOGRAM PER LITRE
P4MALA	MALATHION	NANOGRAM PER LITRE
P4PALO	PHOSALONE	NANOGRAM PER LITRE
P4PARA	PARATHION	NANOGRAM PER LITRE
P4PMET	PHOSMET	NANOGRAM PER LITRE
P6CARB	CARBOFURAN	NANOGRAM PER LITRE
P6CARY	CARBARYL	NANOGRAM PER LITRE
P6CYCL	CYCLOATE	NANOGRAM PER LITRE
P6EPTM	EPTAM	NANOGRAM PER LITRE
P6MOLI	MOLINATE	NANOGRAM PER LITRE
P6PEBU	PEBULATE	NANOGRAM PER LITRE
P6SUTN	SUTAN	NANOGRAM PER LITRE
P6VERN	VERNOLATE	NANOGRAM PER LITRE
PSUT	LEAD, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS LEAD (PLUMBUM)
PH	PH (-LOG H+ CONCEN)	
PHNOL	PHENOLICS, UNFILTERED REACTIVE	MICROGRAM PER LITRE AS PHINOL
PNACNE	ACENAPHTHENE	MICROGRAM PER LITRE
PNACNY	ACENAPHTHYLENE	MICROGRAM PER LITRE
PNANTH	ANTHRACENE	MICROGRAM PER LITRE
PNBAA	BENZO(A)ANTHRACENE	MICROGRAM PER LITRE
PNBBF	BENZO (B) FLUORANTHENE	MICROGRAM PER LITRE
PNBKF	BENZO (K) FLUORANTHENE	MICROGRAM PER LITRE

TEST NAME DESCRIPTION

TEST NAME ----	DESCRIPTION OF TEST -----	UNITS OF MEASURE -----
PNCHRY	CHRYSENE	MICROGRAM PER LITRE
PNDAHA	DIBENZO(AH)ANTHRACENE	MICROGRAM PER LITRE
PNFLAN	FLUORANTHENE	MICROGRAM PER LITRE
PNFLUO	FLUORENE	MICROGRAM PER LITRE
PNGHIP	BENZO(G,H,I) PERYLENE	MICROGRAM PER LITRE
PNINP	INDENO(1,2,3-CD) PYRENE	MICROGRAM PER LITRE
PNNAPH	NAPHTHALENE	MICROGRAM PER LITRE
PNPHEN	PHENANTHRENE	MICROGRAM PER LITRE
PNPYR	PYRENE	MICROGRAM PER LITRE
POALA	ALACHLOR	NANOGRAM PER LITRE
POMET	METALACHLOR	NANOGRAM PER LITRE
PPO4FR	PHOSPHATE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS PHOSPORUS
PPO4UR	PHOSPHATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS PHOSPORUS
PPUT	PHOSPHORUS, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS PHOSPORUS
PSAMF	PSEUDOMON. AERUGINOSA MF	COUNTS PER 100 ML
RSF	RESIDUE, FILTERED	MILLIGRAM PER LITRE
RSP	RESIDUE, PARTICULATE	MILLIGRAM PER LITRE
RST	RESIDUE, TOTAL	MILLIGRAM PER LITRE
RSTLOI	RESIDUE, TOTAL, LOSS ON IGNIT.	MILLIGRAM PER LITRE
SBUT	ANTIMONY, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ANTIMONY
SEUT	SELENIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS SELENIUM
SiO3UR	SILICATES, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SILICON
SOLEXT	SOLVENT EXTRACTABLES	MILLIGRAM PER LITRE
SOLSXT	SOLVENT EXTRACT SOXHLET	MILLIGRAM PER LITRE
SRUT	STRONTIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS STNITIUM
SSO4UR	SULPHATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS NIOBIUM
TCMF	COLIFORM, TOTAL MF	COUNTS PER 100 MLM
TOC	CARBON, TOTAL ORGANIC	MILLIGRAM PER LITRE AS CARBON
TURB	TURBIDITY	FORMAZIN TURBIDITY UNIT
UUUT	URANIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS THORIUM
X1HC8D	HEXACHLOROBUTADIENE	NANOGRAM PER LITRE
X1HCCP	HEXACHLORO CYCLO PENTADIENE	MICROGRAM PER LITRE
X2123	TRICHLOROBENZENE 1,2,3	NANOGRAM PER LITRE
X21234	TETRACHLOROBENZENE 1,2,3,4	NANOGRAM PER LITRE
X21235	TETRACHLOROBENZENE 1,2,3,5	NANOGRAM PER LITRE

TEST NAME DESCRIPTION

TEST NAME ----	DESCRIPTION OF TEST -----	UNITS OF MEASURE -----
X2124	TRICHLORO BENZENE 1,2,4	NANOGRAM PER LITRE
X21245	TETRACHLORO BENZENE 1,2,4,5	NANOGRAM PER LITRE
X2135	TRICHLORO BENZENE 1,3,5	NANOGRAM PER LITRE
X2HCB	HEXACHLORO BENZENE	NANOGRAM PER LITRE
X2HCE	HEXACHLOROETHANE	NANOGRAM PER LITRE
X20CST	OCTACHLORO STYRENE	NANOGRAM PER LITRE
X2PNCB	PENTACHLORO BENZENE	NANOGRAM PER LITRE
X2T236	TRICHLORO TOLUENE 2,3,6	NANOGRAM PER LITRE
X2T245	TRICHLORO TOLUENE 2,4,5	NANOGRAM PER LITRE
X2T26A	TRICHLORO TOLUENE 2,6,A	NANOGRAM PER LITRE
X3234	TRICHLORO PHENOL 2,3,4	NANOGRAM PER LITRE
X32345	TETRACHLORO PHENOL 2,3,4,5	NANOGRAM PER LITRE
X32356	TETRACHLORO PHENOL 2,3,5,6	NANOGRAM PER LITRE
X3245	TRICHLORO PHENOL 2,4,5	NANOGRAM PER LITRE
X3246	TRICHLORO PHENOL 2,4,6	NANOGRAM PER LITRE
X3PCPH	PENTACHLORO PHENOL	NANOGRAM PER LITRE
ZNUT	ZINC, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ZINC

OTHER ABBREVIATIONS

ARITH MEAN	arithmetic mean
AVE.	avenue
AVG OR GEOM MN	arithmetic mean or geometric mean (denoted by *)
BLVD.	boulevard
BR.	branch, bridge or brook
CORP.	corporation
CAN.	Canadian
C.N.R.	Canadian National Railway
CO.	county or company
CONC.	concession
C.P.R.	Canadian Pacific Railway
CR.	Creek
DR.	drive
FT.	feet
GEOM MEAN	geometric mean
HWY.	highway
JNT.	junction
L.	left
MG	milligram(s)
MG/L or mg/L	milligrams per litre
ML	millilitre(s)
N.	north
NG/L	nanogram(s) per litre
NO/OF SAMPLES	number of samples
PT.	part or point
Q.E.W.	Queen Elizabeth Way
R.	river or right
RD.	road
R.R.	railroad
RW.	railway
S.	south
STD DEV	standard deviation
S.T.P.	sewage treatment plant
TWP.	township
UG/L	micrograms per litre
W.P.C.P.	water pollution control plant
WW.	water-works

An "Exponent" is used to move the decimal point to the right when the result is greater than 7 digits or to the left if the result is measured to more than three decimal places.

EXPONENT	= + 4	multiple result by	10,000
	= + 3	" "	1,000
	= + 2	" "	100
	= + 1	" "	10
	= - 1	divide result by	10
	= - 2	" "	100
	= - 3	" "	1,000
	= - 4	" "	10,000

GLOSSARY OF TERMS

- Arithmetic Mean - The nth quotient of the summation of n observations. The equation for the arithmetic mean (\bar{X}) can be expressed as:

$$\bar{X} = \frac{X_1 + X_2 + X_3 + \dots + X_n}{n}$$

- Detection Limit - The amount of analyte required to be present to ensure that when it is 'absent' it will not be reported as 'present'.

- Geometric Mean - The nth root of the product of n observations. The equation for the geometric mean (G_x) can be expressed as:

$$G_x = \sqrt[n]{X_1 \times X_2 \times \dots \times X_n}$$

or

$$G_x = \text{antilog} \frac{(\log X_1 + \log X_2 + \dots + \log X_n)}{n}$$

- Standard Deviation - A measure of variability or dispersion. For a set of n observations, X_i ; $i = 1, \dots, n$. The standard deviation is given as:

$$S = \sqrt{\Sigma (x_i - \bar{x})^2 / (n - 1)}$$

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ABBREVIATIONS USED:

BTH GRAB	BOTTOM GRAB SAMPLE
CORE	BOTTOM CORE SAMPLE
CHT LOW	BACTERIA COUNT UNACCEPTABLE
DATA AVL	DATA NOT STORED IN THIS SYSTEM BUT IS AVAILABLE
DC	DEPTH COMPOSITE SAMPLE
DD	DAY
ET	END TIME
EXP	PRECIPITATING AT EXPOSURE (FOR PRECIP. SAMPLES)
GC	GAUGE DEPTH (FOR PRECIP. SAMPLES)
I	DEPTH INTERVAL (IN METERS) WHEN ASSOCIATED WITH DC
ID	TIME INTERVAL (IN HOURS) WHEN ASSOCIATED WITH TC
IT	INITIAL DATE (SET-UP DATE FOR PRECIP. SAMPLES)
	INITIAL TIME (SET-UP TIME FOR PRECIP. SAMPLES)
LAT	LATITUDE
LONG	LONGITUDE
LHT	LOCAL HEAN TIME
LO1	LOW VOLUME SEQUENTIAL SAMPLE
LO2	LOW VOLUME NUTECH SAMPLE
MM	MONTH
N	NUMBER OF SAMPLES (USED FOR DC, TC AND CORE SAMPLES)
DRY	PRECIPITATION SAMPLE (DRY ONLY)
WET	PRECIPITATION SAMPLE (WET ONLY)
BULK	PRECIPITATION SAMPLE (BULK)
GRND	PRECIPITATION SAMPLE (ON GROUND SNOW COURSE)
REN	PRECIPITATING AT REMOVAL (FOR PC SAMPLES 0,1,2,3)
SD	START DEPTH
ST	START TIME
SED CORE	SEDIMENT CORE SAMPLE (DEPTH FROM AND TO MEASURED IN CH)
SED GRAB	SEDIMENT GRAB SAMPLE (DEPTH FROM AND TO MEASURED IN CH)
WLE	WATER LAYER - WHOLE LAKE COMPOSITE
EPI	WATER LAYER - EPIPLIMNION ZONE
HET	WATER LAYER - METALIMNION ZONE
HYP	WATER LAYER - HYPOLIMNION ZONE
EUP	WATER LAYER - EUPHOTIC ZONE
GEN	WATER LAYER - GENERAL LAYER
TC	TIME COMPOSITE SAMPLE
THTC	BACTERIA TOO NUMEROUS TO COUNT
V	VOLUME WHEN ASSOCIATED WITH LO1 AND LO2 SAMPLES
YY	YEAR

NOTE:

ONE SAMPLE DESIGNATES DATA ASSOCIATED WITH A LOCATION AT ONE POINT IN TIME

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
<	ACTUAL RESULT < THAN REPORTED VALUE	PE
<=>	APPROXIMATE RESULT	
<DL	REPORTED VALUE=HDL: MEASURE AMT<HDL	PT
<E	NO RESP.: (EXCESS DIL'N) MIN. VALUE	PE
<N	NON-DETECTED	PE
<R	DETECT LIMIT REPORT: VALUE < LIMIT	PE
<S	TRACE RESP.: < THAN VALUE REPORTED	PE
<SQ	LESS THAN-BASED ON SEMI-QUANT. METH	
<T	A MEASURABLE TRACE AMOUNT	PT
<TE	MEASURABLE TRACE AFTER EXTRA DIL/CO	PT
<W	NO MEASURABLE RESPONSE (0) <REP. V.	PT
<WE	NO MEASURABLE RESPONSE (DILN/CONC)	PT
I	NO DATA WILL BE REPORTED: SEE TEXT	
I*	INTERNAL TEST: NOT INCLUDED IN REP.	
IAA	NO DATA: ANAL. REQ ABSENT-AMBIGUOUS	
IAD	NO DATA: ANOMALOUS DATA WITHDRAWN	
IAI	ADDITIONAL INFORMATION AVAIL AT LAB	
IAL	NO DATA: AL NOT DONE, PH > 5.5	
IAH	NO DATA: PH > 7	
IAR	SEE ATTACHED REPT: NO NUMERIC VALUE	
IAW	NO DATA: ANALYSIS WITHDRAWN	
IBC	NO DATA: BACKGRND COLOUR INTERFERES	
IBL	NO DATA: UNRELIABLE BLANK	
IBN	NO DATA: BACKGROUND TOO NUMEROUS	
IBT	NO DATA: SAMPLE BROKEN IN TRANSIT	
ICA	NO DATA: CARBONATE NOT DONE, PH<5.0	

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
ICL	NO DATA: EXCESSIVE CHLORINE LEVEL	
ICR	COULD NOT PERFORM CONFIRMING REANAL	
ICS	NO DATA: CONTAMINATION SUSPECTED	
ICU	NO DATA: COLONY COUNT UNSUITABLE	
IDO	NO DATA: DUPLICATES FOUND TO DIFFER	
IDI	NO DATA: SAMPLE DISCARDED IN ERROR	
IDL	NO DATA FOR LPA DUE TO SIZE DISTRIB	
IDS	NO DATA FOR SPA DUE TO SIZE DISTRIB	
IEE	NO DATA: EMPTY ENVELOPE	
IEF	NO DATA: LABORATORY EQUIP. FAILURE	
IEP	NO DATA: EXCESS. PRESERVATIVE USED	
IFB	NO DATA: FROZEN CONTAINER BROKEN	
IFC	NO DATA: FOIL CAP CONTAMINATED SAMP	
IFF	NO DATA: FIELD FILTERED SAMP REQURD	
IGL	NO DATA: GREEN LABEL REQ ON BOTTLE	
INB	NO DATA: HIGH BACKGROUND ABSORBANCE	
IHI	REDUN: NO VALUE, OFFSCALE HIGH	
ICC	NO DATA: IMPROPER CONTAINER	
IFV	NO DATA: INVALID FILTER-NO AIR VOL	
IL	NO DATA: SAMPLE INCORRECTLY LABELED	
IIM	INTERNAL LAB MEMO; FOR LAB USE ONLY	
IIN	NO DATA: INSUFFICIENT VOL/INSPECTED	
IIP	NO DATA: INSUFFICIENT PRESERVATIVE	
IR	NO DATA: INSUFFICIENT FOR REPEAT AN	
IS	NO DATA: INSUFFICIENT SAMPLE	

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

COMMENT CODE

REMARK

MEANING OF REMARK

IV	NO DATA: INVALID SAMPLE
ILA	SAMPLE SPOILED IN LAB ACCIDENT
ILC	NO DATA: LAB CAPACITY EXCEEDED
ILD	NO DATA: TEST QUEUED:SAMP DISCARDED
ILO	RERUN: NO VALUE,OFFSCALE LOW
ILP	NO DATA: PERISHABLE TEST QUEUE LATE
IHS	NO DATA: TOO COMPLEX, REF TO HS GRP
IHX	RESULT FOR M-XYLENE = M- + P-XYLENE
INA	NO DATA: NO AUTHORIZATION TO ANALYZ
IND	NO DATA: NOT ANALYZED
INE	SUBM SHEET MISPLACED - NOT ENTERED
INF	NO DATA: INFORMATION NOT RECEIVED
INI	NO DATA: SAMP NOT STORED IN ICE
INH	NO DATA: NO DISCHARGE
INN	NO DATA: TESTS REQ. IN LIS ERROR
INP	NO DATA: NO APPROP. PROCEDURE AVAIL
INR	NO DATA: SAMP NOT RECEIVED AT LAB
INS	NO DATA: NOT EQUIP. TO ANALY SAFELY
INT	NO DATA: NO TIME RECORDED
IOC	NO DATA: ORGANIC CARBON CONTENT>17%
IOF	SLUDGE SAMP DISCARD:BOTTLE OVERFILL
IOP	NO DATA: OBSCURED PLATE
IOS	NO DATA: OPTIONAL SAMPLE
IOT	SAMPLE OVERTITRAD:NO REPEAT POSSBLE
IPE	PROCEDURE ERROR: SAMP NOW DISCARDED

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
IPH	NO DATA: PIECE MISSING	
IPR	NO DATA: PRESERVATIVE REQUIRED	
IPU	NO DATA:VSAMPLE PRESUED UNSTERILE	
IQU	NO DATA: QUALITY CONTROL UNACCEPT.	
IRC	RESULT CHANGED: REPORT REVISED	
IRD	SEE ATTCH. REPT:NO NUM VALUE:DIOXIN	
IRE	NO DATA: SAMP CONTAINER RECV. EMPTY	
IRI	SEE ATTCH. REPT:NO NUM VALUE:ITCS	
IRL	RESULT FORTHCOMING FROM RAD. LAB	
IRM	SEE ATTCH. REPT:NO NUM VALUE:MICRO	
IRH	SEE ATTCH. REPT FOR NUMERIC RESULT	
IRO	SEE ATTCH. REPT:NO NUM VALUE:OTCS	
IRP	SEE ATTCH. REPT:NO NUM VALUE:PEST	
IRR	NO DATA: RERUN HAS BEEN INITIATED	
IRS	REPORT SENT TO PRIMARY CLIENT	
IRT	SAMPLE NOT REFRIGERATED IN TRANSIT	
IRW	SEE ATTCH. REPT:NO NUM VALUE:HQS	
ISD	NO DATA: SAMPLE DECOMPOSED	
ISE	SAMPLE EXAMINED: SEE OTHER RESULTS	
ISF	NO DATA: SAMPLE RECEIVED FROZEN	
ISL	NO DATA: SAMP ARRIVED LATE FOR ANAL	
ISH	NO DATA: SAMPLE HYSSING:LOST IN LAB	
ISS	SEPARATE SAMP, PROPER. PRESERVE REQ	
IST	NO DATA: SEE ATTACHED TEXTUAL INFO.	
ITC	NO DATA:TOTAL CR/PB LESS THAN 1 PPH	

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

COMMENT CODE

REMARK MEANING OF REMARK

ITF	NO DATA: TORN FILTER
ITH	TURBIDITY EXCEEDED INSTRUMENT RANGE
ITM	NO DATA: TEST MEDIA NOT AVAILABLE
ITN	NO DATA: TOO NUMEROUS TO COUNT
ITO	NO DATA: HI ORGANIC PRECLUDED MICRO
ITU	NO DATA: ANALY TEMPORARILY UNAVAIL.
ITW	NO DATA: TARE WEIGHT >LOADED WEIGHT
ITX	NO DATA: TIME LIMIT EXPIRED
IU	NO DATA: UNSUITABLE FOR ANALYSIS
IUB	NO DATA: BROKEN SAMPLE CONTAINER
IUD	INSUFFICIENT SAMPLE
IUE	NO DATA: UNCORRECTABLE ERROR
IUI	NO DATA: UNDETERMINED INTERFERENCE
IUN	NO DATA: RESULTS UNRELIABLE
IUP	NO DATA: NO INFLECTION POINT DETECT
IUR	NO DATA: UNPRESERVED SAMP REQUIRED
IVE	INSUFFICIENT SAMP:VISUAL EST:RSP<15
IVN	NO DATA: SAMPLE CONTAINER NOT FULL
IVU	NO DATA: VALUES USED IN CACL UNVAIL
INP	NO DATA: WRONG PRESERVATIVE USED
I1W	NO DATA: SAMPLE AGE EXCEEDS 1 WK
I12	NO DATA: SAMPLE AGE EXCEEDS 12HR
I24	NO DATA: SAMPLE AGE EXCEEDS 24HR
I30	NO DATA: SAMPLE AGE EXCEEDS 30 HRS
I48	NO DATA: SAMPLE AGE EXCEEDS 48 HRS

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

COMMENT CODE

REMARK

MEANING OF REMARK

*PA N-NITROSODIPHENYLAMINE/DIPHENYLAMINE

*? CHECK: LIS PICKED PREVIOUS RERUN

*?? CHECK: LIS PICKED FROM PREV. RERUNS

*DE DEMO RESULT- DO NOT REPORT !!!!!!!

*DN SAMPLE DECOMPOSITION NOTED

*LO RERUN: READING TOO LOW- USE LG ALIQ

*RE BAD READING, NO RESULT

*RH RERUN: DILUTION READING TOO HIGH

*RL RERUN: DILUTION READING TOO LOW

*RR RERUN REQUESTED

> ACTUAL RESULT > THAN REPORTED VALUE

>SF ACTUAL MASS > SIZED FIBRE MASS

? LATE DATA: DATA NOT YET AVAILABLE

A APPROXIMATE VALUE

A> APROX RSLT EXCEED NORMAL RANGE LIMIT

AAI ADDITIONAL INFO AVAILABLE FROM LAB

AGE SAMPLE AGE EXCEEDED NORMAL LIMIT

AID APPROX VALUE: INSUFFICIENT DILUTION

AIP ANALYSIS IN PROGRESS

AIT ANALYSIS BY IODINE TITRATION METHOD

ALO TOO ORGANIC/4:1 SOL:N:SOIL RATIO

APD ANALYSIS PERFORMED AT DORSET LAB

AR ATTACHED REPORT

BLD BOTTLE LABEL/SUBMISSION FORM DIFFER

BHL BOTTLE NOT LABELLED- LOCATION?

PT

PE

PE

PT

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
C	BACKGROUND COUNT TOO NUMEROUS	
CIC	POSSIBLE CONTAM DUE TO IMPROPER CAP	
CID	IONCAL FOR LAB USE ONLY	
CIT	CONFIRMED BY IODINE TITRATION METH	
CHS	IDENTITY CONFIRMED BY GC/MASS SPEC	
CRC	TEMP CONTINGENCY: RSF = COND.* .065	
CRO	CALCULATED RESULT ONLY	
DAV	DAILY AVERAGE	
DCC	DANGER: SAMPLE CONTAINS CARCINOGENS	
DCN	DANGER: SAMPLE CONTAINS CYANIDE	
DCP	DANGEROUS CONSTITUENTS PRESENT	
DHN	DAILY MINIMUM	
DHX	DAILY MAXIMUM	
DUP	DUPLICATE	
DWP	DRINKING WATER QUALITY POOR	
DWU	DRINKING WATER QUALITY UNSAFE!	
D24	ANALYSIS DELAYED TO 24HR: OVERLOAD.	
D48	ANALYSIS DELAYED TO 48HR: OVERLOAD.	
E	ESTIMATED OR COMPUTED VALUE STORED	
EBR	NO RESULT: BOTTLE RECEIVED EMPTY	
EDC	EXCEEDS 1978 DRINK WATER QUAL CRIT	
EDO	EXCEEDS ONTARIO DRINKING WATER OBJ	
EV	ESTIMATED VALUE - TARE WT UNAVAIL.	
FAN	FRACTION ANALY: NON-AQUEOUS PHASE	
FAP	FRACTION ANALY: PARTICULATE ONLY	

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
FBA	LAB STAFF:FILT.WHOLE SAMP BEFORE AN	
FPA	LAB STAFF:FILT.PRIOR TO ANALYSIS	
HRF	SUSPECTED HIGH RESULT:IRON PRECIP	
I	INTERFERENCE SUSPECTED	
IB	INTERFERENCE: BACKGROUND	PT
IC	INTERFERENCE: COLOUR	
IH	INTERFERENCE: SAMPLE MATRIX	PT
IST	INSUFFICIENT SAMPLE: PETBOTTLE LEAK	
LPI	LABELS PROBABLY INTERCHANGED	
H	MANUALLY ANALYSED	
MAV	MONTHLY AVERAGE	
HES	2345+2346-TETRACHOLOR-PHENOL TOGETH	
MIN	MONTHLY MINIMUM	
MAX	MONTHLY MAXIMUM	
MP	MULTIPHASE SAMPLE(SUSPECTED RESULT)	PT
NAF	NOT ALL REQUIRED TESTS FOUND	
NED	NOT ENOUGH DATA	
NEW	TEST ANALYZED BY NEW METHOD	PT
MIN	NOTE: CORRECTED VALUE	
NSD	NO SAMPLE DATE INDICATED	
NSS	NO SUITABLE SAMPLE	
NTR	NO TIME RECORDED: ANAL. PERFORMED	
O	OLD: SAMPLE EXCEEDS MAX. STORAGE T.	PT
OLD	OLD: SAMPLE EXCEEDS MAX. STORAGE T.	PT
PFS	TEST PERFORMED ON PREV FROZEN SAMP	

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
PIL	PRESERVED IN LABORATORY	
PLD	PASSIVE LOADING	
PLT	PALUSTRIC+LEVOPHARIC ACID TOGETHER	
PNF	TEST PERFORMED ON NON-FROZEN SAMPLE	
PNS	TEST PERFORMED ON UNPRESERVE SAMPLE	
PPS	TEST PERFORMED ON PRESEVERED SAMPLE	
PS1	PCB RESEM.HIX AROCLR 1248,1254,1260	
PS2	PCB RESEM.HIX AROCLR 1242 1245 1260	
P16	PCB RESEMBLED AROCLOR 1016	PT
P20	PCB RESEMBLED HIX AROCLOR 1242 1260	
P21	PCB RESEMBLED AROCLOR 1221	
P24	PCB RESEMBLED HIX:AROCLOR 1242,1254	
P28	PCB RESEMBLED HIX:AROCLOR 1242,1248	
P32	PCB RESEMBLED AROCLOR 1232	PT
P40	PCB RESEMBLED HIX:AROCLOR 1254,1260	
P42	PCB RESEMBLED AROCLOR 1242	
P48	PCB RESEMBLED AROCLOR 1248	
P54	PCB RESEMBLED AROCLOR 1254	
P60	PCB RESEMBLED AROCLOR 1260	
P80	PCB RESEMBLED HIX:AROCLOR 1248,1260	
P84	PCB RESEMBLED HIX:AROCLOR 1248,1254	
QCU	QUALITY CONTROL UNACCEPTABLE	
R1D	IONCAL CALC. ON INCOMPL. DATA SET	
R0L	CAUTION:SAMP PREP RECVRY QC OUT/LMT	
RSP	REPEAT SAMPLE-DRINKING WATER POOR	

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
R24	REPEAT: 24 HRS SAMPLING TO ANALYSIS	
R48	REPEAT: 48 HRS SAMPLING TO ANALYSIS	
R72	REPEAT: 72 HRS SAMPLING TO ANALYSIS	
SDF	WHOLE FISH SUBMITTED - SRF ANALYZED	UO
SBO	SAMPLE BOTTLE OVERFILLED	
SCT	SAMPLE NOT COOLED DURING TRANSIT	
SD	SAMPLE DUPLICATES DIFFER IN APPEAR.	
SFT	SAMPLE FROZEN IN TRANSIT	
SID	SAMPLE IDENTIFICATION QUESTIONABLE	
STL	SAMP INCORRECTLY LABELLED	
SIP	SAMPLE IMPROPERLY PRESERVED	PT
SPH	SATURATED PASTE PH REPT:HIGH ORGAN.	
SPL	SEVERAL PEAKS,LARGE,HOT PRIORITY	
SPS	SEVERAL PEAKS,SMALL,HOT PRIORITY	
SQT	RESULT BASED ON SEMI-QUANT. METHOD	
SRP	SPECIAL RESAMPLE-- DRINKING H2O POOR	
SRU	SPECIAL RESAMPLE- DRINK. H2O UNSAFE	
STA	SAMP TOO OLD FOR RE-ANALYSIS	
STC	SAMP TOO COMPLEX FOR THIS METHOD	
TAF	TRACE AMOUNT FOUND	
TIA	SOME TESTS REQUESTED NOT AVAILABLE	
U	UNRELIABLE RESULT	
UAH	UNRELIABLE: ANALYZER MALFUNCTION	
UAV	UNRELIABLE- SAMPLE AGE UNKNOWN	
UCI	UNRELIABLE: SUSPECTED CL2 INTERFER.	

ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
UHF	UNRELIABLE: MULTIPLE FILTERS SUBMIT	
UQC	DATA UNRELIABLE: POSSIBLE LAB QC P.	PT
URD	RESULT MAY BE LOW: UNDISOLVE PART.	
USF	UNRELIABLE: SAMPLE FROZEN IN TRANS.	
USH	ALUMINUM FOR METALS SAMPLE	PT
USP	PLASTIC ORGANICS SAMPLE	PT
UST	UNRELIABLE: PET BOTTLE LEAKED TRANS	
UTF	UNRELIABLE: TORN FILTER	
U24	UNRELIABLE: SAMPLE AGE EXCEEDS 24HR	
U30	UNRELIABLE- SAMPLE AGE EXCEEDS 30HR	
U48	UNRELIABLE- SAMPLE AGE EXCEEDS 48HR	
WAV	WEEKLY AVERAGE	
WFA	WHOLE FISH ANALYZED	UO
W7N	WEEKLY MINIMUM	
W7X	WEEKLY MAXIMUM	
WSB	WARNING-HEAVY SILT IN SAMP BIAS RES	
WSD	WRONG SAMP DESCRIPTION ON BOTTLE	
WST	WET SAMP MASS USED:RESLT REPT HG/KG	
X1	DILUTD BY 10 DETECT LINT 10X NORM	
X2	DILUTD BY 100 DETECT LINT 100X NORM	
X3	DILUTD BY 1000 DECT.LINT 1000X NORM	
24P	P-A BOTTLE POSITIVE AFTER 24 HOURS	
48P	P-A BOTTLE POSITIVE AFTER 48 HOURS	
72P	P-A BOTTLE POSITIVE AFTER 72 HOURS	
96P	P-A BOTTLE POSITIVE AFTER 96 HOURS	

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK MEANING OF REMARK COMMENT CODE

COMPUTED VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

<A VALUE WITH A REMARK WHICH HAS A
COMMENT CODE OF PT (AS ABOVE) USED IN
COMPUTATIONS

NOTE: VALUES WITH COMMENT CODE OF PE
ARE NOT USED IN COMPUTATIONS

REMARK CODES APPEAR TO THE RIGHT OF THE VALUE I.E. 435.56<T

B.O.W./ SITE: POTTAWATOMI RIVER
SAMPLE POINT: AT 14TH STREET BRIDGE OWEN SOUND
STATION TYPE: RIVER

STATION ID: 03-0015-002-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
RIVER: POTTAWATOMI RIVER

STORET CODE: 02
002
206

LAT: 44 34 25.98 LONG: 080 57 34.91

U T M: 17 0503200.0 4935400.0 4

REGION: 01

DISTANCE: 1.609

[illegible]

TEST-NAME:	FMTENP	NNMTUR TOTAL UNF. REAC HG/L	NN02UR N02-N UNF. REAC HG/L	NN03UR N03-N UNF. REAC HG/L	NNITKUR K'DAHL N TOTAL UNF. REAC HG/L	PBUT LEAD UNF. TOT. HG/L	PH	PP04UR P04 UNF. REAC HG/L	PPUT PHOSPHOR UNF. TOT. MG/L	RSP RESIDUE PARTIC HG/L								
											AS N	AS N	AS N	AS N	AS PB	PH	AS P	AS P
SAMPLE DATE	WATER TEMP DEG.C	SAMPLE HOUR LHT	30550	6.0	0.004	0.030	0.600	0.780	8.00	0.008	0.028	5.0<						
9001122	1345	40548	6.0	0.008	0.010<	0.600	0.550	0.005<W	8.23	0.001<	0.014	5.0<						
900528	1315	40475	18.5	0.015	0.010	0.300	0.700	0.005<W	8.76	0.001<	0.010	5.8						
900723	1250	40502	21.0	0.016	0.020	0.500	0.500	0.005<W	8.59	0.006	0.019	5.0<						
900924	1315	40559	12.0	0.008	0.010<	0.500	0.520	0.005<W	8.52	0.001<	0.013	8.4						
901126	1320	40556	3.5					0.005<W										
MAXIMUM	21.0																	
ARITH MEAN	10.3	0.016	0.030	1.700	0.780	0.005<W	8.76	0.008	0.028	8.4								
GEOM MEAN	6.8	0.010	0.020	0.720	0.640	0.005<A	8.42	0.007	0.017	7.1								
MINIMUM	1.0	0.004	0.010	0.598	0.633	0.005<A	8.22		0.016									
STD DEV (GEOM #)	8.2	0.005	0.010	0.300	0.520	0.005	8.00	0.006	0.010	5.8								
# SAMP IN STATISTICS	6	5	5	5	5	6	5	2	5	2	5	2						
% SAMP (EXCLUDED)		40					60	60		60		60						

(C O N T D)

B.O.W./ SITE: POTTAWATOMI RIVER
 SAMPLE POINT: AT 14TH STREET BRIDGE OWEN SOUND
 STATION TYPE: RIVER

STATION ID: 03-0015-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: POTTAWATOMI RIVER

STORET CODE: 02
 002
 2040

LAT: 44 34 25.98 LONG: 080 57 34.91

REGION: 01

DISTANCE: 1.609

*=INTERIM TEST-NAME:

ZNUT

ZINC

UNF. TOT.

MG/L

AS ZN

SAMPLE

DATE HOUR

YYMMDD LMT

900122 1345

900326 1336

900528 1315

900723 1250

900924 1315

901126 1320

30550

40448

40475

40502

40529

40556

0.0030

0.0015<T

0.0005<W

0.0020<T

0.0010<T

0.0060

MAXIMUM

0.0060

ARITH MEAN

0.0023<A

GEOM MEAN

0.0017<A

MINIMUM

0.0005

STD DEV (GEOM #)

0.0020<A

SAMP IN STATISTICS

6

% SAMP (EXCLUDED)

1990 WATER QUALITY DATA REGION 1

3

B.O.M./ SITE: SYDENHAM RIVER
 SAMPLE POINT: AT CONCESSION 18 ABOVE INGLIS FALLS
 STATION TYPE: RIVER FLOW GAUGE FED 02FB007

STATION ID: 03-0016-003-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SYDENHAM RIVER

STORET CODE: 02

002

2050

LAT: 44 31 21.20 LONG: 080 55 53.11 U T M: 17 0505450.0 4929700.0 4 REGION: 01 DISTANCE: 7.403

*INTERIM TEST-NAME:		FMSADP		FGPROJ		ALKT		ASUT		BOD5		CLIDUR		COND25		CUUT		FCHF		FEUT	
SAMPLE		SAMPLE		PROJECT		ALK		ARSENIC		5 DAY		CHLORIDE		CONDUCT.		COPPER		FECAL		IRON	
DATE		DEPTH		SUB-PROJ		TOTAL		UNF TOT.		TOT. DEF.		UNF. REAC		UNF. REAC		UNF. TOT.		COLIFORM		HF	
YYMMDD LIT		H		CODE		AS CAC03		MG/L		MG/L		MG/L		AT 25 C		AS CU		/100ML		AS FE	
900122	1450	30551	0.30	0101	0101	168.0	0.001-W	0.001-W	0.55	11.200	425.0	0.0009<T	8	0.065<T							
900227		30562	0.30	0101	0101	222.0	0.001-W	0.001-W	0.89	13.300	491.0	0.0010<T	4<	0.031<T							
900326	1416	40449	0.30	0101	0101	182.0	0.001-W	0.001-W	0.54	10.000	398.0	0.0010<T									
900423		40460	0.30	0101	0101	214.0	0.001-W	0.001-W	1.28	12.860	468.0	0.0020<T	40	0.150							
900528	1415	40476	0.30	0101	0101	250.0	0.001-W	0.001-W	0.40	11.600	501.0	0.0020<T	30A1D	0.130							
900625		40487	0.30	0101	0101	268.0	0.001-W	0.001-W	0.65	12.600	516.0	0.0020<T	70A1D	0.090<T							
900723	1335	40503	0.30	0101	0101	263.0	0.001-W	0.001-W	0.50	11.400	513.0	0.0020<T	124	0.060<T							
900827		40519	0.30	0101	0101	252.0	0.001-W	0.001-W	0.05	12.400	523.0	0.0020<T	124	0.060<T							
900924	1420	40530	0.30	0101	0101	259.0	0.001-W	0.001-W	0.80	13.900	523.0	0.0020<T	124	0.060<T							
901022		40541	0.30	0101	0101	244.0	0.001-W	0.001-W	0.20	12.300	517.0	0.0020<T	124	0.060<T							
901126	1405	40557	0.30	0101	0101		0.001-W	0.001-W				0.0030	124	0.060<T							
MAXIMUM		0.30				268.0		0.001		1.28		13.900		532.0		0.0030		124		0.150	
ARITH MEAN		0.30				232.2		0.001-A		0.59		12.158		486.4		0.0018<A		54		0.088<A	
GEOM MEAN						229.6		0.001-A		0.45		12.109		484.3		0.0017<A				0.077<A	
MINIMUM		0.30				168.0		0.001		0.05		10.000		398.0		0.0009		8		0.031	
STD DEV (GEOM %)		11				34.8		0.000<A		0.35		1.135		46.2		0.0008<A		5		0.045<A	
# SAMP IN STATISTICS		11				10		6		10		10		10		6		5		6	
% SAMP (EXCLUDED)																		16			
*INTERIM TEST-NAME:		FSHF		FMSHTRC		FWTEMP		NIUT		NH4-N		NN02UR		NN03UR		NNTKUR		PBUT		PH	
SAMPLE		STREPCUS		FECAL		WATER		NICKEL		TOTAL		UNF. REAC		UNF. REAC		K'DAHL N		LEAD			
DATE		CHIT		STREAM		TEMP		UNF. TOT.		MG/L		MG/L		MG/L		UNF. TOT.		UNF. TOT.			
YYMMDD LIT		/100ML		COND.		DEG.C		AS NI		AS N		AS N		AS N		AS N		AS PB			
900122	1450	30551	28	6	6	1.0	0.002-W	0.001<	0.001<	0.010	1.000	0.010	0.480	0.005-W	7.54			0.005-W	7.72		
900227		30562						0.058	0.010	0.010	0.900	0.010	0.270	0.005-W	7.97			0.005-W	8.00		
900326	1416	40449	8	6	6	2.0	0.002-W	0.001<	0.015	0.010	0.400	0.010<	0.300	0.005-W	8.10			0.005-W	8.30		
900423		40460						0.015	0.010	0.010	0.600	0.010	0.430	0.005-W	8.20			0.005-W	8.21		
900528	1415	40476	4	6	6	17.0	0.004-T	0.022	0.031	0.030	0.500	0.030	0.390	0.005-W	8.17			0.005-W	8.17		
900625		40487						0.031	0.028	0.020	0.300	0.020	0.400	0.005-W	7.86			0.005-W	7.86		
900723	1335	40503	60A1D	6	6	19.5	0.004-T	0.036	0.011	0.010	0.400	0.010	0.550	0.005-W				0.005-W			
900827		40519						0.011	0.020	0.010	0.400	0.010	0.400	0.005-W				0.005-W			
900924	1420	40530	60A1D	6	6	11.0	0.003-T	0.004<	0.004<	0.010	0.400	0.010	0.400	0.005-W				0.005-W			
901022		40541						0.020	0.010	0.010	0.400	0.010	0.400	0.005-W				0.005-W			
901126	1405	40557	80	6	6	2.0	0.004<	0.004<	0.004<	0.010	0.400	0.010	0.400	0.005-W				0.005-W			

(C O N T I D)

B.O.W./ SITE: SYDENHAM RIVER
SAMPLE POINT: AT CONCESSION 18 ABOVE INGLIS FALLS
STATION TYPE: RIVER FLOW GAUGE FED 02FB007

STATION ID: 03-0016-003-02

STORET CODE: 02 002 205

LAT: 44 31 21.20 LONG: 080 55 53.11 U T M: 17 0505450.0 4929700.0 4 REGION: 01 DISTANCE: 7.403

*=INTERIM	TEST-NAME:	FSHF	FWSTRC	FWTEMP	NIUT	NNHTUR	NNO2UR	NNO3UR	NNTKUR	PBUT	PH
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[illegible]

	MAXIMUM	80	19.5	0.004	0.058	0.030	1.000	0.550	0.005	8.30
	ARITH MEAN	40	8.7	0.003<A	0.028	0.015	0.530	0.395	0.005<A	8.01
	GEOH MEAN	25	4.9	0.003<A			0.492	0.387	0.005<A	8.00
	MINIMUM	4	1.0	0.002	0.011	0.010	0.300	0.270	0.005	7.54
	STD DEV (GEOH *)	3*	8.2	0.001<A			0.236	0.085	0.000<A	0.24
# SAMP IN STATISTICS		6	6	6	20	8	10	10	6	10
% SAMP EXCLUDED)		6				20				

*=INTERIM	TEST-NAME:	PP04UR	PPUT	RSP	TURB	ZNUT
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SAMPLE	HOUR	SAMPLE NUMBER	UNF. REAC MG/L	FOR PHOSPHOR	RESTDUE PARTIC. MG/L	TURB IDY ETU	UNF. TOT. MG/L	ZINC AS 7M
DATE	LMT	YYYYMMDD	AS P	AS P				

Year	0.001	0.004	20.5	0.0013 < T
30551	0.001	0.004	20.5	0.0013 < T
900122 1450	0.003	0.007	1.3	1.86
900227	0.001 <	0.006	5.0 <	0.0005 < W
900326 1416	0.001 <	0.011	5.0 <	2.00
900423	0.001 <	0.015	7.1	0.0005 < W
900528 1415	0.003	0.016	5.0 <	4.30
900625				

Age group	Number of cases	Rate per 100,000	95% CI
0-4	1420	0.017	0.001-0.018
5-9	1405	0.016	0.001-0.017
10-14	1405	0.016	0.001-0.017
15-19	1405	0.016	0.001-0.017
20-24	1405	0.016	0.001-0.017
25-29	1405	0.016	0.001-0.017
30-34	1405	0.016	0.001-0.017
35-39	1405	0.016	0.001-0.017
40-44	1405	0.016	0.001-0.017
45-49	1405	0.016	0.001-0.017
50-54	1405	0.016	0.001-0.017
55-59	1405	0.016	0.001-0.017
60-64	1405	0.016	0.001-0.017
65-69	1405	0.016	0.001-0.017
70-74	1405	0.016	0.001-0.017
75-79	1405	0.016	0.001-0.017
80-84	1405	0.016	0.001-0.017
85-89	1405	0.016	0.001-0.017
90-94	1405	0.016	0.001-0.017
95-99	1405	0.016	0.001-0.017

	0.005	0.004	20.5	4.30	0.0030
MAXIMUM	0.003	0.017	7.7	2.55	0.0014<A
ARITH MEAN		0.014		2.42	0.0011<A
GEOM MEAN		0.006	1.3	1.86	0.0005
MINIMUM	0.001	0.010		1.02	0.0010<A
STD DEV (GEOM *)		10	6	5	6
# SAMP IN STATISTICS	4		40		
% SAMP (EXCLUDED)	60				

1990 WATER QUALITY DATA REGION 1

5

D.O.W./ SITE: TELFER CREEK

STATION ID: 03-0017-002-02

SAMPLE POINT: AT THOMPSON MEMORIAL FOOTBRIDGE LEITH

STATION TYPE: RIVER FLOW GAUGE NOE 02FB101

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERMINAL STREAM: TELFER CREEK

STORET CODE: 02

002

2060

LAT: 44 37 23.20 LONG: 080 52 30.75 U T H: 17 0509900.0 4940875.0 4 REGION: 01 DISTANCE: 0.483

*INTERIM TEST-NAME:		FWGADP	FGPROJ	ALKT	ASUT	CCNAUR	CDUT	CLIDUR	COND25	CRUT	CUUT
SAMPLE		SAMPLE	PROJECT	ALK	ARSENIC	CYANIDE	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	UNF. TOT.	UNF. REAC	UNF. TOT.	UNF. REAC	25C	UNF. TOT.	UNF. TOT.
YYHHDD	LIT	H	CODE	AS CAC03	MG/L	AS AS	MG/L	MG/L	AT 25 C	MG/L	MG/L
900122	1300	30549	0101	186.0	0.001<W	0.001<W	0.0002<W	17.600	454.0	0.0022<T	0.0013<T
900227	1155	30561	0101	229.0	0.001<W	0.001<W	0.0002<W	20.300	514.0	0.0018<T	0.0012<T
900326	1305	40427	0101	192.0	0.001<W	0.001<W	0.0002<W	15.200	429.0	0.0020<T	0.0018<T
900423	1110	40459	0101	222.0	0.001<W	0.004<T	0.0002<W	17.500	474.0	0.0005<W	0.0013<T
900528	1220	40474	0101	226.0	0.001<W	0.002<T	0.0002<W	14.300	462.0	0.0005<W	0.0020<T
900625	1120	40486	0101	248.0	0.001<W	0.001<W	0.0002<W	20.200	521.0	0.0005<W	0.0020<T
900723	1230	40501	0101	230.0	0.001<W	0.001<W	0.0002<W	18.900	492.0	0.0005<W	0.0030
900827	1135	40513	0101	254.0	0.001<W	0.001<W	0.0002<W	18.200	479.0	0.0005<W	0.0020<T
900924	1240	40528	0101	222.0	0.001<W	0.001<W	0.0002<W	20.200	490.0	0.0005<W	0.0020<T
901022	1115	40540	0101	275.0	0.001<W	0.001<W	0.0002<W	18.300	576.0	0.0005<W	0.0030
901126	1250	40555	0101		0.001<W	0.001<W	0.0002<W			0.0005<W	0.0030
MAXIMUM											
ARITH MEAN		0.30		275.0	0.001	0.004	0.0002	20.300	576.0	0.0022	0.0030
GEOM MEAN		0.30		228.4	0.001<A	0.001<A	0.0002<A	18.070	491.1	0.0009<A	0.0021<A
MINIMUM		0.30		186.0	0.001<A	0.001<A	0.0002<A	17.959	489.7	0.0007<A	0.0020<A
STD DEV (GEOM #)		11		26.7	0.001	0.001	0.0002	14.300	429.0	0.0005	0.0012
# SAMP IN STATISTICS		11		10	11	11	11	10	10	11	11
% SAMP (EXCLUDED)											
*INTERIM TEST-NAME:		DO	FCMF	FEUT	FSNF	FWSTRC	FNTMP	NIUT	NNHUTR	NH02UR	NH03UR
DISOLVED		OXYGEN	FECAL	IRON	STREPCUS	STREAM	WATER	NICKEL	NH3-N	NH2-N	NH3-N
SAMPLE		AS O	HF	UNF. TOT.	HF	COND.	TEMP	UNF. TOT.	UNF. REAC	UNF. REAC	UNF. REAC
DATE	HOUR	MG/L	/100HL	MG/L	/100HL		DEG.C	MG/L	MG/L	MG/L	MG/L
YYHHDD	LIT			AS FE	CNT			AS NI	AS N	AS N	AS N
900122	1300	14.0	84	0.130	20	6	1.0	0.002<W	0.001<	0.020	2.000
900227	1155	14.5	4<	0.043<T	8	6	1.0	0.002<W	0.011	0.010	1.400
900326	1305	15.0	4<	0.063<T	8	6	4.0	0.002<W	0.005	0.010<	1.000
900423	1110	13.5	4<	0.066<T	4<	6	10.0	0.002<W	0.011	0.010<	124.000
900528	1220	40474	204	0.057<T	12	6	17.5	0.003<T	0.015	0.010	0.500
900625	1120	40486	390	0.090<T	420	6	16.0	0.004<T	0.034	0.020	0.500
900723	1230	40501	172	0.070<T	112	6	20.0	0.004<T	0.015	0.010	0.100
900827	1135	40513	60AID	0.090<T	10AID	6	23.5	0.003<T	0.010	0.010	0.200
900924	1240	40528	136	0.050<T	264	6	11.0	0.003<T	0.005	0.010<	0.200
901022	1115	40540	130	0.050<T	130	6	9.5	0.003<T	0.015	0.010	0.900
901126	1250	40555	70AID	0.070<T	130	6	3.0	0.004<T			

(C O N T D)

B.O.W./ SITE: TELFER CREEK
 SAMPLE POINT: AT THOMPSON MEMORIAL FOOTBRIDGE LEITH
 STATION TYPE: RIVER FLOW GAUGE MOE 02FB101

STATION ID: 03-0017-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: TELFER CREEK

STORET CODE: 02

002
2060

LAT: 44 37 23.20 LONG: 080 52 30.75

U T N: 17 0509900.0 4940875.0 4

REGION: 01

DISTANCE: 0.483

*=INTERIM TEST-NAME: DO

SAMPLE DATE YYYHDD LHT

HOUR

SAMPLE NUMBER

DO

DISSOLVED OXYGEN

MG/L

AS O

FCNF

COLIFORM

CFU

/100ML

FEUT

IRON

UNF.TOT.

MG/L

AS FE

FSNF

FECAL

STREPTOC

CFU

/100ML

FWSTRC

WATER

TEMP

DEG.C

FWTEMP

NIUT

NICKEL

UNF.TOT.

MG/L

AS NI

NNHTUR

NH3-N

TOTAL

MG/L

AS N

NNO2UR

NO2-N

UNF.REAC

MG/L

AS N

NNO3UR

NO3-N

UNF.REAC

MG/L

AS N

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM #)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

15.0

12.5

12.4

10.0

1.9

10

27

0.130

0.071<A

0.067<A

0.043

0.025<A

11

420

111

8

10

9

23.5

10.6

6.9

1.0

7.9

11

0.004

0.003<A

0.003<A

0.002

0.001<A

11

9

0.034

0.013

0.005

0.010

7

30

0.020

0.013

0.010

0.010

*=INTERIM TEST-NAME: K'DAHL N

TOTAL

UNF.REAC

MG/L

AS N

PBUT

LEAD

UNF.TOT.

MG/L

AS PB

PH

P04

UNF.REAC

MG/L

AS P

PPUT

PHOSPHOR

UNF.TOT.

MG/L

AS P

PSAMF

PSEUDOMN

AERUG.

HF

CNT

/100ML

0.390

0.280

0.250

0.300

0.310

0.390

0.330

0.250

0.230

0.370

0.390

0.310

0.305

0.230

0.059

10

11

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM #)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

0.390

0.280

0.250

0.300

0.310

0.390

0.330

0.250

0.230

0.370

0.390

0.310

0.305

0.230

0.059

10

11

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

0.005<W

(C O N T D)

1990 WATER QUALITY DATA REGION 1

7

B.O.W./ SITE: TELFER CREEK
 SAMPLE POINT: AT THOMPSON MEMORIAL FOOTBRIDGE LEITH
 STATION TYPE: RIVER FLOW GAUGE MOE 02FB101

STATION ID: 03-0017-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: TELFER CREEK

STORET CODE: 02
 002
 2060

LAT: 44 37 23.20 LONG: 080 52 30.75 U T M: 17 0509900.0 4940875.0 4 REGION: 01 DISTANCE: 0.483

*=INTERIM	TEST-NAME:	PICHLA	PICHLG	PIDIEL	PIDMDT	PIENDR	PIENDS	PIENDSULP	PIENDSULP I	PIENDSULP II	PIHEPTA	PIHEPT
SAMPLE DATE	CHLRDANE ALPHA	CHLRDANE GAMMA	DIELDRIN	DHDT MTHYLTR	ENDRIN	ENDSULP	ENDSULP	ENDSULP	ENDSULP	ENDSULP	HEPTA CHLOR EPOXIDE	HEPACHOR
YYHHDD LIT	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L
900423 1110	40459	2<W	2<W	2<W	5<W	5<W	5<W	5<W	2<W	5<W	1<W	1<W
	MAXIMUM	2	2	2	5	5	5	5	2	5	1	1
	ARITH MEAN	2<A	2<A	2<A	5<A	5<A	5<A	5<A	2<A	5<A	1<A	1<A
	GEOM MEAN											
	MINIMUM	2	2	2	5	5	5	5	2	5	1	1
	STD DEV (GEOM *)	1	1	1	1	1	1	1	1	1	1	1
	# SAMP IN STATISTICS											
	% SAMP (EXCLUDED)											

*=INTERIM	TEST-NAME:	PIH1RX	PIOCHL	PIOPDT	PIPCBT	PIPPDD	PIPPDE	PIPPDT	PIPTOX	RSP	TURB
SAMPLE DATE	HIREX	OXCHLANE	OP-DDT	PCB TOTAL	PP-DDD	PP-DDE	PP-DDT	TOXAPHEN	RESIDUE PARTIC.	TURBIDITY	
YYHHDD LIT	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	FTU	
900122 1300	30549									5.0<	1.22
900227 1155	30561									5.0<	
900326 1305	40447									5.0<	
900423 1110	40459	5<W	2<W	5<W	5<W	1<W	5<W	500<W		9.7	
900528 1220	40474									5.0<	2.30
900625 1120	40466									5.0<	
900723 1230	40501									5.0<	2.10
900827 1135	40513									5.0<	
900924 1240	40528									5.0<	1.68
901022 1115	40540									3.6	
	MAXIMUM	5	2	5	20	1	1	5	500	9.7	2.30
	ARITH MEAN	5<A	2<A	5<A	20<A	1<A	5<A	5<A	500<A	5.6	1.82
	GEOM MEAN										
	MINIMUM	5	2	5	20	1	5	5	500	3.6	1.77
	STD DEV (GEOM *)	1	1	1	6	1	1	1	1	3	0.48
	# SAMP IN STATISTICS									70	
	% SAMP (EXCLUDED)										

(CONTD)

1990 WATER QUALITY DATA REGION 1

10

B.O.W./ SITE: BIGHEAD RIVER

SAMPLE POINT: AT CONC ROAD 8 AND 9 SOUTH OF OXHEAD

STATION TYPE: RIVER

STATION ID: 03-0030-002-02

STORSET CODE: 02
002
2190MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERN STREAM: BIGHEAD RIVER

LAT: 44 34 32.16 LONG: 080 38 54.97 U T M: 17 0527900.0 4935650.0 4 REGION: 01 DISTANCE: 12.713

SAMPLE DATE	HOUR	YTHDD LMT	SAMPLE NUMBER	FWSTRC	FMTMP	NNHTUR NH3-N TOTAL	UNF.REAC MG/L	AS N	NN02UR NO2-N UNF.REAC MG/L	AS N	NN03UR NO3-N UNF.REAC MG/L	K'DAHL N UNF.REAC MG/L	PBUT	PH	PP04UR	PPUT	P04 UNF.REAC MG/L	PHOSPHOR UNF.TOT. AS P
900118	1030		36700	3	2.0	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.005<W	7.83	0.027	0.078	0.027	0.078
900122	1210		30548	6	1.0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005<W	8.06	0.008	0.014	0.008	0.014
900205	1415		36701	3	3.0	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.005<W	7.98	0.001	0.017	0.001	0.017
900227	1115		30560	6	1.0	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005<W	7.94	0.004	0.008	0.004	0.008
900313	36702		36702	6	3.0	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.005<W	7.96	0.007	0.081	0.007	0.081
900326	1230		40446	6	3.0	0.001<	0.001<	0.001<	0.001<	0.001<	0.001<	0.001<	0.005<W	8.18	0.001<	0.013	0.001<	0.013
900403	1115		36703	6	5.0	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.005<W	8.11	0.006	0.040	0.006	0.040
900423	1050		40458	6	10.0	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.005<W	8.33	0.001	0.013	0.001	0.013
900501	1145		36704	6	16.0	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.005<W	8.45	0.005	0.024	0.005	0.024
900528	1145		40473	6	18.0	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.005<W	8.30	0.001<	0.013	0.001<	0.013
900604	1015		36705	6	17.0	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.005<W	8.16	0.012	0.017	0.012	0.017
900625	1045		40485	6	16.5	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.005<W	8.40	0.004	0.018	0.004	0.018
900709	1000		36706	6	16.0	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.005<W	8.34	0.001<	0.032	0.001<	0.032
900723	1150		40500	8	21.5	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.005<W	8.34	0.007	0.027	0.007	0.027
900813	1015		36707	6	20.0	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.005<W	8.38	0.001	0.031	0.001	0.031
900827	1057		40512	6	24.0	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.005<W	8.24	0.001<	0.016	0.001<	0.016
900918	1400		36708	6	17.0	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.005<W	8.36	0.001<	0.010	0.001<	0.010
900924	1150		40527	6	11.5	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.005<W	8.37	0.001	0.020	0.001	0.020
901002	36709		36709	6	10.0	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.005<W	8.24	0.001<	0.012	0.001<	0.012
901022	1045		40539	6		0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005<W	8.36	0.001<	0.009	0.001<	0.009
901121	36710		36710	6	1.5	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.005<W	8.19	0.007	0.014	0.007	0.014
901126	0950		40554	6														
					24.0	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.049	8.45	0.027	0.081	0.027	0.081
ARITH MEAN					11.3	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.007<A	8.22	0.007	0.024	0.007	0.024
GEOM MEAN					7.4								0.006<A	8.21	0.007	0.019	0.007	0.019
MINIMUM					1.0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	7.83	0.001	0.008	0.001	0.008
STD DEV (GEOM *)					7.8								0.009<A	0.18		0.020		0.020
# SAMP IN STATISTICS					19	20	20	20	18	21	21	21	22	21	13	21	13	21
% SAMP (EXCLUDED)					4	4	4	4	14	14	14	14	14	14	35	35	35	35

(C O N T D)

1990 WATER QUALITY DATA REGION 1

13

B.O.W./ SITE: BEAVER RIVER
SAMPLE POINT: UPSTREAM FROM GEORGIAN BAY
STATION TYPE: RIVER

STATION ID: 03-0036-001-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TRIBUTARY: BEAVER RIVER

STORET CODE: 02
002
2250

LAT: 44 33 48.82 LONG: 080 26 58.98 U T M: 17 0543700.0 4934400.0 4 REGION: 01 DISTANCE: 0.161

SAMPLE DATE YYMMDD	HOUR LHT	TEST-NAME: NUMBER	FWSTRC	FWTEMP	WATER TEMP DEG.C	STREAM COND.	NNHUR TOTAL UNF-REAC MG/L AS N	NNH3-N UNF-REAC MG/L AS N	NN02UR NO2-N UNF-REAC MG/L AS N	NN03UR NO3-N UNF-REAC MG/L AS N	NNTKUR K'DAHL N TOTAL UNF-REAC MG/L AS N	PBUT	PH	PP04UR	PPUT	PHOSPHOR UNF-TOT. MG/L AS P
		MAXIMUM			23.0		0.047		0.020	1.100	0.430	0.005	8.39	0.009	0.038	
		ARITH MEAN			10.4		0.015		0.013	0.450	0.362	0.005<A	8.23	0.006	0.017	
		GEOM MEAN			6.3		0.012				0.359	0.005<A	8.23		0.015	
		MINIMUM			1.0		0.003		0.010	0.100	0.280	0.005	7.94	0.001	0.009	
		STD DEV (GEOM #)			8.1		0.013				0.049	0.000<A	0.15	6	0.008	
		# SAHP IN STATISTICS			11		11		9	10	11	11	11	6	11	
		% SAHP (EXCLUDED)							18	9				45		

SAMPLE DATE YYMMDD	HOUR LHT	TEST-NAME: NUMBER	RSP	TURB	TURBITY FTU	ZNUZ UNF-TOT. MG/L AS ZN	ZINC
900122	1125	30547	5.0<			0.0009<T	
900227	1020	30559	2.7		2.60	0.0006<T	
900326	1118	40445	5.6			0.0010<T	
900423	1000	40457	10.3			0.0005<W	
900528	1100	40472	5.0			0.0005<W	
900625	1010	40484	14.9	16.10		0.0040	
900723	1045	40499	11.6			0.0020<T	
900827	1015	40511	6.4	4.20		0.0020<T	
900924	1105	40526	3.7			0.0010<T	
901022	1000	40538	5.7	2.20		0.0020<T	
901126	1125	40553	10.4			0.0090	
		MAXIMUM		16.10		0.0090	
		ARITH MEAN		6.27		0.0021<A	
		GEOM MEAN		4.43		0.0014<A	
		MINIMUM		2.7		0.0005	
		STD DEV (GEOM #)		6.61		0.0025<A	
		# SAHP IN STATISTICS		4		11	
		% SAHP (EXCLUDED)					

B.O.W./ SITE: BOYNE RIVER
SAMPLE POINT: 1ST BRIDGE DNSTR. FROM HWY.10 FLESHERTON
STATION TYPE: RIVER

STATION ID: 03-0036-005-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: BEAVER RIVER

STORET CODE: 02
002
225

LAT: 44 16 47.79 LONG: 080 32 44.63 U T M: 17 0536250.0 4902850.0 4 REGION: 01 DISTANCE: 44.417

REGION: 01

DISTANCE: 44.417

[illegible][illegible]

B.O.W./ SITE: BEAVER RIVER

SAMPLE POINT: AT COUNTY ROAD NO.10 OSPREY TOWNSHIP

STATION TYPE: RIVER

STATION ID: 03-0036-007-02

STORET CODE: 02

002

2250

LAT: 44 21 13.79 LONG: 080 22 10.19

U T M: 17 0550250.0 4911150.0 4

DISTANCE: 59.061

REGION: 01

NNHTUR

NHS-N

TOTAL

UNF .REAC

HG/L

AS N

0.001<

0.006

0.010<

0.014

0.010

0.024

0.020

0.004

0.010<

0.003

0.010

0.020

0.015

0.003

0.010

5

16

33

FWSTRC

FWTEMP

WATER

TEMP

DEG.C

1.0

1.0

11.5

15.0

8.0

2.0

15.0

6.4

3.7

1.0

6.0

6

16

33

COND25

CONDUCT.

25C

UMHO/CM

AT 25 C

486.0

439.0

470.0

476.0

477.0

479.0

486.0

471.2

470.9

439.0

16.6

6

3*

6

5

16

33

CLIDUR

CHLORIDE

UNF .REAC

HG/L

AS CL

3.700

2.800

2.700

2.800

3.000

3.800

3.800

3.133

3.103

2.700

0.489

6

6

6

6

6

6

SAMP IN STATISTICS

% SAMP (EXCLUDED)

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

NN03UR

N03-N

UNF .REAC

MG/L

AS N

0.200

0.250

0.320

0.270

0.250

0.210

0.320

0.250

0.247

0.200

0.043

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

6

PP04UR

P04

UNF .REAC

MG/L

AS P

0.008

0.001<

0.018

0.017

0.001<

0.006

0.013

0.009

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

PPUT

PHOSPHOR

UNF .TOT.

MG/L

AS P

0.011

0.006

0.018

0.017

0.018

0.007

0.018

0.013

0.012

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

0.006

RSP

RESTIDUE

PARTIC.

MG/L

5.0<

5.0<

5.5

5.0<

36.6

2.1

36.6

14.7

14.7

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

2.1

B.O.W./ SITE: BEAVER RIVER

SAMPLE POINT: AT COUNTY ROAD NO.8 OSPREY TOWNSHIP

STATION TYPE: RIVER

STATION ID: 03-0036-008-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERR STREAM: BEAVER RIVER

STORET CODE: 02

002

2250

LAT: 44 20 08.86 LONG: 080 21 50.57 U T M: 17 0550700.0 4909150.0 4 REGION: 01 DISTANCE: 59.257

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME: FWSADP	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	FQPROJ	CLIDUR	COND25 CONDUCT. 25C UNHQ/CH AT 25 C	FCHP COLIFORM CNT /100ML	FECAL STREPCUS HF /100ML	FSMF FECAL STREPCUS HF /100ML	FWSTRC	FWTEMP WATER TEMP DEG.C	NNHTUR NH3-N TOTAL UNF.REAC MG/L AS N	NN02UR NO2-N UNF.REAC MG/L AS H
900122	1025	30544	0.30	0101			458.0	4	12	6	6	0.5	0.004	0.020
900326	1032	40442	0.30	0101			397.0	4	4	6	6	2.0	0.001	0.010
900528	1015	40469	0.30	0101			465.0	76	12	6	6	12.0	0.010	0.010
900723	1005	40496	0.30	0101			483.0	104	60	8	8	13.0	0.012	0.020
900924	1015	40523	0.30	0101			511.0	8	12	8	8	7.5	0.004	0.010
901126	1050	40550	0.30	0101			451.0	8	8	8	8		0.003	0.010
MAXIMUM														
ARITH MEAN														
GEOM MEAN														
MINIMUM														
STD DEV (GEOM *)														
# SAMP IN STATISTICS														
% SAMP (EXCLUDED)														
900122	1025	30544	1.200	0.290			0.009	0.009	4	4	4	5.0	5.0	5.0
900326	1032	40442	0.500	0.250			0.001	0.005	4	4	4	5.0	5.0	5.0
900528	1015	40469	0.900	0.360			0.001	0.012	4	4	4	5.0	5.0	5.0
900723	1005	40496	1.100	0.300			0.008	0.010	4	4	4	5.0	5.0	5.0
900924	1015	40523	1.900	0.190			0.001	0.006	4	4	4	5.0	5.0	5.0
901126	1050	40550	0.700	0.300			0.006	0.006	4	4	4	5.2	5.2	5.2
MAXIMUM														
ARITH MEAN														
GEOM MEAN														
MINIMUM														
STD DEV (GEOM *)														
# SAMP IN STATISTICS														
% SAMP (EXCLUDED)														

*INTERIM TEST-NAME:

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME: NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PH	PP04UR PP04 UNF.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	PSAHF PSEUDONH AERUG. HF /100ML	RSP	RESIDUE PARTIC. MG/L
900122	1025	30544	0.290	7.98	0.009	0.009	4	5.0	5.0
900326	1032	40442	0.250	8.02	0.001	0.005	4	5.0	5.0
900528	1015	40469	0.360	8.06	0.001	0.012	4	5.0	5.0
900723	1005	40496	0.300	8.16	0.008	0.010	4	5.0	5.0
900924	1015	40523	0.190	8.08	0.001	0.006	4	5.0	5.0
901126	1050	40550	0.300	8.12	0.006	0.006	4	5.2	5.2
MAXIMUM									
ARITH MEAN									
GEOM MEAN									
MINIMUM									
STD DEV (GEOM *)									
# SAMP IN STATISTICS									
% SAMP (EXCLUDED)									

33

1

83

B.O.W./ SITE: LITTLE RIVER
 SAMPLE POINT: AT RIVERSIDE DRIVE WINDSOR
 STATION TYPE: RIVER

STATION ID: 04-0001-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: LITTLE RIVER

STORET CODE: 02
 003
 2750

LAT: 42 20 17.81 LONG: 082 56 34.06 U T W: 17 0339950.0 468950.0 4 REGION: 01 DISTANCE: 0.161

*INTERIM		TEST-NAME:		FWSADP		FGPROJ		ALKT		BOD5		CLIDUR		COND25		CRUT		CUUT		D0		FCMF	
SAMPLE	DATE	DEPTH	SAMPLE	PROJECT	ALK	5 DAY	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	D0	FCMF											
DATE	DATE	DEPTH	DEPTH	CODE	TOTAL	TOT. DEM.	UNF. REAC	25C	UNF. TOT.	UNF. TOT.	D0	FCMF											
YHMD	YHMD	M	M		AS L	MG/L	MG/L	UMHO/CH	MG/L	MG/L	AS O	HF											
LHT	LHT				AS O	AS O	AS CL	AT 25 C	AS CR	AS CU	AS O	/100HL											
900110 1100	30849	0.30	0101	108.0	4.92	21.500	1123.0	0.0080	0.0065	5.0	5800												
900214 1055	30861	0.30	0101	161.0	3.76	181.000	1193.0	0.0180	0.0044	8.0	5200												
900313 1125	40729	0.30	0101	147.0	1.82	127.000	911.0	0.0081	0.0060	13.0	5900												
900411 1215	40741	0.30	0101	139.0	7.44	97.700	802.0	0.0039	0.0081	10.0	3300												
900514 1210	40753	0.30	0101	122.0	3.16	96.300	798.0	0.0070	0.0060	3.0	100AID												
900613 1050	40765	0.30	0101	128.0	2.26	123.000	836.0	0.0010<T	0.0020<T	10.0	50AID												
900709 1130	40777	0.30	0101	86.7	0.10	47.400	395.0	0.0020<T	0.0030	8.0	1500>												
900814 1200	40789	0.30	0101	104.0	3.16	83.500	581.0	0.0110	0.0100	4.0	2800												
900911 1230	40801	0.30	0101	112.0	6.32	76.900	619.0	0.0020<T	0.0040	6.0	44000												
901011 1145	40814	0.30	0101	128.0	3.64	41.700	492.0	0.0040	0.0060	5.5	10000												
901119 1430	40827	0.30	0101	145.0		85.200	782.0	0.0020<T	0.0040	13.0	44000												
901211 1055	40839	0.30	0101	161.0	7.44	181.000	1193.0	0.0061<A	0.0055<A	7.4	8215												
MAXIMUM		0.30		125.5	3.66	89.200	775.6	0.0044<A	0.0050<A	6.8	50												
ARITH MEAN		0.30		123.7	2.58	77.646	738.6	0.0010	0.0020	3.0	10												
GEOM MEAN		0.30		86.7	0.10	21.500	395.0	0.0051<A	0.0023<A	11	9												
MINIMUM		0.30		21.8	2.15	44.618	246.1																
STD DEV (GEOM *)		12		11	10	11	11																
# SAMP IN STATISTICS																							
% SAMP (EXCLUDED)																							
*INTERIM		TEST-NAME:		FWSF		FMSTRC		FMTMP		NIUT		NH4-N		NH2-N		NH3-N		NNTKUR		PBUT		PH	
SAMPLE	DATE	DEPTH	SAMPLE	PROJECT	WATER	5 DAY	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	D0	FCMF											
DATE	DATE	DEPTH	DEPTH	CODE	TEMP	TOT. DEM.	UNF. REAC	25C	UNF. TOT.	UNF. TOT.	D0	FCMF											
YHMD	YHMD	M	M		DEG. C	MG/L	MG/L	UMHO/CH	MG/L	MG/L	AS O	HF											
LHT	LHT					AS NI	AS N	AT 25 C	AS N	AS N	AS O	/100HL											
900110 1100	30849	2200	6	1.0	0.036	0.666	0.340	5.000	2.060	0.005<W	7.42												
900214 1055	30861	820	6	1.0	0.022	0.001	0.300	8.400	0.950	0.005<W	7.54												
900313 1125	40729	330	6	15.0	0.018	0.059	0.250	6.500	1.260	0.005<W	7.54												
900411 1215	40741	20000	9	8.0	0.007<T	0.011	0.080	9.000	1.580	0.006<T	7.63												
900514 1210	40753	500AID	6	10.0	0.020	0.362	0.170	13.300	1.750	0.006<T	7.44												
900613 1050	40765	100	6	18.5	0.006<T	0.571	0.590	11.500	2.800	0.007<T	7.42												
900709 1130	40777	10<	6	23.0	0.026	0.058	0.100	1.500	0.470	0.005<W	8.00												
900814 1200	40789	380	6	20.0	0.018	0.157	0.160	2.700	1.010	0.005<W	7.78												
900911 1230	40801	1500>	6	19.0	0.009<T	0.031	0.100	3.900	1.540	0.008<T	7.72												
901011 1145	40814	8600	6	11.5	0.019	0.264	0.190	3.100	2.150	0.005<W	7.50												
901119 1430	40827	2700	6	11.0	0.014	0.031	0.080	10.900	1.540	0.005<W	7.56												
901211 1055	40839	1000	6	9.0						0.005<W	7.56												

(C O N T D)

B.O.W./ SITE: PUCE RIVER

SAMPLE POINT: AT ESSEX COUNTY ROAD 42 SOUTH OF PUCE

SAMPLE TYPE: RIVER

STATION ID: 04-0005-003-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: PUCE RIVER

STORET CODE: 02

003

2770

LAT: 42 16 39.08 LONG: 082 47 19.46 U T M: 17 0352500.0 4681925.0 4 REGION: 01 DISTANCE: 3.380

SAMPLE DATE	HOUR	YMHDD LHT	*INTERIM TEST-NAME:	FWSADP	FGPROJ	CLIDUR	COND25	DOC	FECAL COLIFORM	FECAL STREPCUS	FMSF /100ML	FWSTRC	FWTEHP	NH3-N TOTAL	NH4-N TOTAL	UNF REAC MG/L	WATER TEMP DEG.C	AS N
SAMPLE NUMBER	DEPTH	M	PROJECT SUB-PROJ CODE	UNF REAC MG/L	AS CL	UNF REAC MG/L	AT 25 C	UNF REAC MG/L	AS C	UNF REAC MG/L	AS P	UNF REAC MG/L	AS P	UNF REAC MG/L	AS P	UNF REAC MG/L	AS P	UNF REAC MG/L
900110	1130	30850	0101	0.30	64.100	64.100	491.0	11.1	1200	2200	6	6	1.5	0.262	0.001	0.064	0.051	0.001
900214	1120	30862	0101	0.30	76.500	76.500	874.0	5.5	200AID	100AID	6	6	11.0	0.064	0.051	0.001	0.001	0.001
900313	1200	40730	0101	0.30	51.800	51.800	595.0	10.7	300AID	600AID	6	6	8.0	0.051	0.001	0.001	0.001	0.001
900411	1250	40742	0101	0.30	39.800	39.800	497.0	12.6	1200	2400	6	6	13.0	0.051	0.001	0.001	0.001	0.001
900514	1245	40754	0101	0.30	47.100	47.100	621.0	8.1	200AID	100<	6	6	21.0	0.051	0.001	0.001	0.001	0.001
900613	1215	40766	0101	0.30	62.800	62.800	799.0	10.6	1500>	380	6	6	20.0	0.051	0.001	0.001	0.001	0.001
900709	1200	40778	0101	0.30	85.300	85.300	663.0	19.0	2600	5400	3	3	11.0	0.051	0.001	0.001	0.001	0.001
900814	1230	40790	0101	0.30	117.000	117.000	814.0	7.6	3800	160	6	6	2.0	0.051	0.001	0.001	0.001	0.001
900911	1255	40802	0101	0.30	64.400	64.400	599.0		900AID	100AID	6	6	2.0	0.051	0.001	0.001	0.001	0.001
901011	1115	40813	0101	0.30	21.000	21.000	319.0		3800	160	6	6	2.0	0.051	0.001	0.001	0.001	0.001
901119	1405	40826	0101	0.30	75.600	75.600	844.0		3800	160	6	6	2.0	0.051	0.001	0.001	0.001	0.001
901211	1030	40838	0101	0.30	117.000	117.000	874.0		3800	160	6	6	2.0	0.051	0.001	0.001	0.001	0.001
901311	1030	40838	0101	0.30	64.127	64.127	646.9	10.6	1289	1633	6	6	11.0	0.051	0.001	0.001	0.001	0.001
901411	1030	40838	0101	0.30	59.063	59.063	622.9	10.0	200	100	6	6	7.4	0.051	0.001	0.001	0.001	0.001
901511	1030	40838	0101	0.30	21.000	21.000	319.0	5.5	200	100	6	6	7.9	0.051	0.001	0.001	0.001	0.001
901611	1030	40838	0101	0.30	25.346	25.346	173.7	4.1	10	10	6	6	12	0.051	0.001	0.001	0.001	0.001
901711	1030	40838	0101	0.30	11	11	11	8	16	16	6	6	12	0.051	0.001	0.001	0.001	0.001

SAMP IN STATISTICS
% SAMP (EXCLUDED)

SAMPLE DATE	HOUR	YMHDD LHT	*INTERIM TEST-NAME:	NN02UR	NN03UR	NN04UR	NN05UR	NN06UR	NN07UR	NN08UR	NN09UR	NN10UR	NN11UR	NN12UR	NN13UR	NN14UR	NN15UR	NN16UR	NN17UR
SAMPLE NUMBER	DEPTH	M	PROJECT SUB-PROJ CODE	UNF REAC MG/L	AS N	UNF REAC MG/L	AS N	UNF REAC MG/L	AS N	UNF REAC MG/L	AS N	UNF REAC MG/L	AS N	UNF REAC MG/L	AS N	UNF REAC MG/L	AS N	UNF REAC MG/L	AS N
900110	1130	30850	0101	0.140	5.800	2.150	7.67	3.500	0.220	0.435	0.070	0.070	17.8	0.070	0.070	0.070	0.070	0.070	0.070
900214	1120	30862	0101	0.050	7.700	1.020	8.10	1.000	0.015	0.015	0.015	0.015	23.6	0.015	0.015	0.015	0.015	0.015	0.015
900313	1200	40730	0101	0.090	6.700	1.660	7.72	2.500	0.099	0.258	0.258	0.258	55.7	0.258	0.258	0.258	0.258	0.258	0.258
900411	1250	40742	0101	0.380	11.800	2.650	7.61	1.500	0.190	0.465	0.465	0.465	135.0	0.465	0.465	0.465	0.465	0.465	0.465
900514	1245	40754	0101	0.240	16.400	3.040	7.74	2.500	0.206	0.430	0.430	0.430	109.2	0.430	0.430	0.430	0.430	0.430	0.430
900613	1215	40766	0101	0.140	8.700	1.350	8.35	1.500	0.032	0.089	0.089	0.089	47.0	0.089	0.089	0.089	0.089	0.089	0.089
900709	1200	40778	0101	0.030	4.400	1.030	8.12	1.000<	0.032	0.089	0.089	0.089	56.6	0.089	0.089	0.089	0.089	0.089	0.089
900814	1230	40790	0101	0.100	8.300	1.850	7.80	1.000<	0.032	0.089	0.089	0.089	54.2	0.089	0.089	0.089	0.089	0.089	0.089
900911	1255	40802	0101	0.090	1.800	1.820	7.76	1.000<	0.032	0.089	0.089	0.089	140.0	0.089	0.089	0.089	0.089	0.089	0.089
901011	1115	40813	0101	0.100	1.700	2.050	7.34	26.500	0.136	0.375	0.375	0.375	95.5	0.375	0.375	0.375	0.375	0.375	0.375
901119	1405	40826	0101	0.120	1.200	2.250	8.20		0.020	0.126	0.126	0.126	95.5	0.126	0.126	0.126	0.126	0.126	0.126

(C O N T D)

B.O.W./ SITE: BELLE RIVER
 SAMPLE POINT: AT FIRST ROAD SOUTH OF HIGHWAY 401
 STATION TYPE: RIVER

STATION ID: 04-0007-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: BELLE RIVER

STORET CODE: 02

003

2800

LAT: 42 13 37.28 LONG: 082 43 10.04 U T M: 17 0358100.0 4676200.0 4 REGION: 01 DISTANCE: 9.978

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	CLIDUR	COND25	DO	FCMF	FSMF	FWSTRC	FWTEMP	NH4TUR
SAMPLE	SAMPLE	SAMPLE	PROJECT	CHLORIDE	CONDUCT.	DISOLVED	COLIFORM	FECAL			
DATE	DEPTH	DEPTH	SUB-PROJ	UNF. REAC	25C	OXYGEN	COLIFORM	STREPTOC			
YYMMDD LHT	M	M	CODE	AS CL	AT 25 C	MG/L	MG/L	MG/L	STREAM	WATER	TOTAL
									COND.	TEMP	UNF. REAC
										DEG.C	MG/L
											AS N
900110 1145	30851	0.30	0101	55.400	514.0	4.0	1700	4400	6	1.0	0.502
900214 1140	30863	0.30	0101	64.600	892.0	10.0	400AID	100<	6	2.0	0.011
900313 1210	40731	0.30	0101	38.700	557.0		800AID	500AID	6	14.0	0.074
900411 1310	40743	0.30	0101	28.200	374.0	10.0	1800	3400	6	6.0	0.079
900514 1255	40755	0.30	0101	28.400	475.0	10.0	4600	13000	9	13.0	0.467
900613 1225	40767	0.30	0101	62.200	709.0	8.0	300AID	100AID	6	20.0	0.099
900709 1220	40779	0.30	0101	75.700	700.0	12.0	330	80AID	6	25.0	0.417
900814 1240	40791	0.30	0101	128.000	831.0	10.0	1500>	480	6	21.0	0.306
900911 1310	40803	0.30	0101	44.800	266.0		930	1100	6	20.0	0.081
901011 1035	40812	0.30	0101	19.800	293.0	7.5	3000	7400	3	11.0	0.095
901119 1345	40825	0.30	0101	61.200	889.0	7.5	400AID	100AID	6	4.0	0.135
901211 0950	40837	0.30	0101			6.0	1600	150	6	2.0	
	MAXIMUM	0.30		128.000	892.0	12.0	4600	13000		25.0	0.502
	ARITH MEAN	0.30		55.000	623.6	8.5	1442	2792		11.6	0.206
	GEOH MEAN	0.30		48.551	590.6	8.2				7.7	0.131
	HINIMUM	0.30		19.800	293.0	4.0	300	80		1.0	0.011
	STD DEV (GEOM *)	12		29.826	202.2	2.4				8.5	0.181
	# SAMP IN STATISTICS			11	11	10	11	11		12	11
	% SAMP (EXCLUDED)						8	8			

*=INTERIM	TEST-NAME:	NN02UR	NN03UR	NN4TUR	PH	PP04UR	PPUT	RSP	TURB	TURB'ITY
										FTU
SAMPLE	SAMPLE	N02-N	N03-N	K'DAHL N		P04	PHOSPHOR	RESIDUE		
DATE	DEPTH	UNF. REAC	UNF. REAC	UNF. REAC		UNF. REAC	UNF. TOT.	PARTIC.		
YYMMDD LHT	M	MG/L	MG/L	MG/L		MG/L	MG/L	MG/L		
		AS N	AS N	AS N		AS P	AS P	AS P		
900110 1145	30851	0.140	5.200	2.600	7.48	0.240	0.470	11.8		
900214 1140	30863	0.220	6.200	0.930	7.89	0.046	0.095	5.0<		
900313 1210	40731	0.120	5.600	1.550	7.60		0.275	43.0		
900411 1310	40743	0.260	8.400	2.850	7.48	0.292	0.660	142.0		
900514 1255	40755	0.260	12.000	3.240	7.49	0.286	0.530	125.0		
900613 1225	40767	0.340	6.100	1.600	7.80	0.102	0.280	54.7		
900709 1220	40779	0.090	6.200	1.720	8.34	0.146	0.238	23.4		
900814 1240	40791	0.150	6.800	2.550	7.58	0.182	0.335	41.9		
900911 1310	40803	0.110	3.000	1.700	7.71	0.140	0.248	49.4	57.00	
901011 1035	40812	0.110	2.000	1.950	7.29	0.233	0.405	90.4		
901119 1345	40825	0.040	1.100	1.400	8.04	0.055	0.148	15.8		

(CONT'D)

STATION ID: 04-0007-002-02

STORET CODE: 02
003
2800

DISTANCE: 9.978

[illegible]

1990 WATER QUALITY DATA REGION 1

28

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALK TOTAL MG/L	AS CAO3	ASUT ARSENIC UNF. TOT. MG/L AS AS	CGNAUR CYANIDE AVAIL UNF. REAC MG/L AS HCN	CDUT CADMIUM UNF. TOT. MG/L AS CD	CLIDUR CHLORIDE UNF. REAC MG/L AS CL	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF. TOT. MG/L AS CU	DD DISSOLVED OXYGEN MG/L AS O
SAMPLE DATE YYMMDD	HOUR LHT	SAMPLE DEPTH M	PROJECT SUB-PROJECT CODE	ALK TOTAL MG/L	AS CAO3	ASUT ARSENIC UNF. TOT. MG/L AS AS	CGNAUR CYANIDE AVAIL UNF. REAC MG/L AS HCN	CDUT CADMIUM UNF. TOT. MG/L AS CD	CLIDUR CHLORIDE UNF. REAC MG/L AS CL	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF. TOT. MG/L AS CU	DD DISSOLVED OXYGEN MG/L AS O
900122	0916	0.30	0103	128.0		0.001<W	0.001<W	0.0002<W	34,100	521	0.0056	19.5
43000		0.30	0103	145.5		0.0002<W		0.0002<W		525	0.0039	
900123	1445	0.30	0103	159.8		0.0002<W		0.0002<W		602	0.0040	
900125	1315	0.30	0103	159.5		0.0002<W		0.0002<W		716	0.0029	
900206	1430	0.30	0103	188.2		0.0002<W		0.0002<W		666	0.0031	
900219	1400	0.30	0103	131.3		0.0002<W		0.0002<W		449	0.0200	
900223	0845	0.30	0103	111.1		0.0002<W		0.0002<W		347	0.0150<TE	
900224	0945	0.30	0103	108.0		0.001<W	0.001<W	0.0002<W	24,900	400	0.0042	13.5
900226	0947	0.30	0103	176.9		0.0002<W		0.0002<W		618	0.0040	
900303	1000	0.30	0103	154.4		0.0002<W		0.0002<W		480	0.0075	
900315	0845	0.30	0103	187.0		0.001<W	0.001<W	0.0003<T	38,700	631	0.0066	17.0
900326	0927	0.30	0103	210.1		0.001<W		0.0002<W		631	0.0022<T	
900402	0905	0.30	0103	204.0		0.001<W	0.001<W	0.0002<W		649	0.0027	
900418	0830	0.30	0101	195.1		0.001<W		0.0002<W	48,200	655	0.0080	13.5
900423	0924	0.30	0101	186.6		0.0002<W		0.0002<W		633	0.0027	
900514	0825	0.30	0103	168.6		0.0008<T		0.0008<T		626	0.0040	
900517	1230	0.30	0103	198.0		0.001<W	0.001<W	0.0006<T	40,500	614	0.0100	14.0
900528	0946	0.30	0103	212.2		0.0002<W		0.0002<W		674	0.0080	
900530	0820	0.30	0103	186.5		0.0002<W		0.0002<W		661	0.0040	
900612	0820	0.30	0103	177.0		0.001<W	0.002<T	0.0004<T	57,700	627	0.0040	
900625	0948	0.30	0103	171.8		0.001<W		0.0005<T		655	0.0060	15.5
900626	0830	0.30	0103	121.4		0.001<W		0.0013		630	0.0060	
900712	0825	0.30	0103	148.0		0.001<W	0.001<W	0.0002<W	39,000	408	0.0110	14.0
900723	1043	0.30	0101	128.0		0.001<W		0.0002<W		515	0.0060	
900725	1320	0.30	0103	200.1		0.0002<W		0.0002<W		625	0.0050	
900807	0825	0.30	0103	173.1		0.0002<W		0.0002<W		595	0.0050	
900814	1500	0.30	0103	156.7		0.0002<W		0.0002<W		556	0.0050	
900820	0950	0.30	0103	180.0		0.0002<W		0.0002<W		610	0.0050	
900827	0945	0.30	0103	192.0		0.001<W	0.002<T	0.0002<W	55,200	655	0.0050	11.0
900828	0945	0.30	0103	192.4		0.0003<T		0.0003<T		551	0.0050	
900917	1130	0.30	0103	192.8		0.0002<W		0.0002<W		571	0.0070	
900924	0910	0.30	0103	225.0		0.0002<W	0.001<W	0.0002<W	39,400	675	0.0080	
900926	0820	0.30	0103	249.7		0.0002<W		0.0002<W		693	0.0050	
901011	0845	0.30	0103	231.7		0.0004<T		0.0004<T		645	0.0060	
901012	1315	0.30	0103	240.1		0.0002<W		0.0002<W		636	0.0120	
901015	1300	0.30	0103	246.1		0.0002<W		0.0002<W		616	0.0030	
901022	0920	0.30	0103	260.0		0.001<W	0.001<W	0.0002<W	29,400	688	0.0080	9.5
901029	1320	0.30	0103	280.0		0.0002<W		0.0002<W		721	0.0050	
901108	1315	0.30	0103	199.9		0.0002<W		0.0002<W		535	0.0170	
901114	1330	0.30	0103	249.4		0.0003<T		0.0003<T		645	0.0070	

(C O N T D)

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 21 10.74 LONG: 082 19 16.72 U T H: 17 0391175.0 4689600.0 4 REGION: 01 DISTANCE: 14.484

*INTERIM		TEST-NAME:	FMSADP	FGPROJ	ALKT	ASUT	CYANIDE	CDUT	CLTDUR	COND25	CUUT	DO
SAMPLE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ARSENIC UNF. TOT. MG/L AS AS	AVAIL UNF. REAC MG/L AS HCN	CADMIUM UNF. TOT. MG/L AS CD	CHLORIDE UNF. REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF. TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O
901126	0950	39856	0.30	0103	251.0	0.001<W	0.001<W	0.0004<T	37.900	694.0	0.0040	7.0
1430		43031	0.30	0103	266.7			0.0002<W	693		0.0050	
901210	1330	43032	0.30	0103	272.8			0.0002<W	720		0.0020<T	
			0.30		280.0	0.001	0.002	0.0020	57.700	721	0.7400	19.5
			0.30		193.4	0.001<A	0.001<A	0.0003<A	40.455	606	0.0234<A	13.4
			0.30		188.3	0.001<A	0.001<A	0.0003<A	39.345	599	0.0061<A	13.0
			0.30		108.0	0.001	0.001	0.0002	24.900	347	0.0020	7.0
				44.1	44.1	0.000<A	0.000<A	0.0003<A	9.961	88	0.1120<A	3.6
			43	42	11	11	42	11	43	43	43	10
# SAMP IN STATISTICS % SAMP (EXCLUDED)												

STD DEV (GEOM #)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

**INTERIM TEST-NAME:											
SAMPLE NUMBER	HOUR	FCHP FECAL COLIFORM CNT /100HL	FEUT IRON UNF. TOT. MG/L AS FE	FSMF FECAL STREPTOC HF CNT /100HL	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C	HGUT MERCURY UNF. TOT. UG/L AS HG	NNHTUR NH3-N TOTAL UNF. REAC MG/L AS N	NNOTFR NO2+NO3N FIL. REAC MG/L AS N	NNOT2FR NO2-N FIL. REAC MG/L AS N	NNOT2UR NO2-N UNF. REAC MG/L AS N
39701	900122 0916	210	1.400	520	6	0.5	0.03<T	0.296	11.300	0.0240	0.070
43000	900123 1445				8		0.02<W		11.400	0.0440	
43001	900125 1315				8		0.02<W		10.100	0.0430	
43002	900206 1430				8		0.02<W		0.935	0.0370	
43003	900219 1400				3		0.05<T		6.200	0.2420	
43004	900223 0845				3		0.03<T		4.950	0.1380	
43005	900224 0945				6	0.5	0.02<W	0.181	8.500	0.0460	0.030
39717	900226 0947	790	1.500	1080	8		0.02<W		6.570	0.2300	
43006	900303 1000				8		0.02<W		9.150	0.0460	0.050
43007	900315 0845				8	9	0.02<W	0.032	7.130	0.0470	
39731	900326 0927		1.000		6	9.0	0.02<W		9.150	0.0460	
43008	900402 0905				8		0.02<W		6.490	0.0840	
43009	900418 0830				6		0.02<W		4.710	0.0590	
39747	900423 0924	20AID	1.000	30AID	8	15.0	0.02<W	0.007	7.130	0.0470	0.110
43009	900430 0900				8		0.02<W		6.490	0.0840	
43011	900514 0825				8		0.02<W		4.710	0.0590	
43012	900517 1230				8		0.02<W		9.950	0.3300	
39762	900528 0946	12	3.400	64	6	17.0	0.02<W	0.020	8.850	0.0740	0.080
43013	900530 0820				8		0.02<W		8.560	0.1820	
43014	900612 0820				6		0.02<W				
39777	900625 0948	20AID	1.400	20AID	6	20.0	0.04<T	0.123			0.260

(C O N T D)

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

DISTANCE: 14,484

REGION: 01

U T M: 17 0391175.0 4689600.0 4

LAT: 42 21 10.74 LONG: 082 19 16.72

*=INTERIM	TEST-NAME:	FCMF FECAL COLIFORM	FEUT IRON UNF.TOT. MG/L AS FE	FSMF STREPTOC MF CNT /100ML	FWSTRC	FWTEMP WATER TEMP DEG.C	HGUT MERCURY UNF.TOT. AS HG	NNHTR NH3-N TOTAL UNF.REAC MG/L AS N	NNOTFR N02-N FIL.REAC MG/L AS N	NN02FR N02-N FIL.REAC MG/L AS N	NN02UR N02-N UNF.REAC MG/L AS N
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER	SAMPLE NUMBER
900626 0830	43015	200AID	0.570	100AID	6	27.0	0.02<W	4.160	0.1560	0.060	
900712 0825	43017	300AID	1.100	200AID	9	26.0	0.02<W	2.740	0.1540	0.110	
900723 1043	39793				6		0.03<T				
900725 1320	43018				8		0.02<W	6.070	0.0450		
900807 0825	43019				8		0.02<W	3.840	0.0820		
900814 1500	43020				8		0.04<T	3.750	0.0780		
900820 0950	43021				8		0.02<W	4.140	0.0700		
900827 0945	39808	200AID	0.570	100AID	6	27.0	0.02<W	4.130	0.1210	0.060	
900907 1650	43022				8		0.02<W	4.740	0.0590	0.070	
900917 1130	43023	120	0.610	500	6	17.0	0.02<W	0.014			
900924 0910	39824				8		0.02<W	5.000>	0.0270		
900926 0820	43024				8		0.02<W	7.300	0.0490		
901011 0845	43025				3		0.02<W	6.680	0.0420		
901012 1315	43026				3		0.02<W	6.190	0.0550	0.080	
901015 1300	43027				3		0.02<W				
901022 0920	39840		0.450		6	15.0	0.02<W	7.600	0.0310		
901029 1320	43028				8		0.02<W	4.970	0.0540		
901108 1315	43029				3		NO DATA/ISS	7.900	0.0340	0.050	
901114 1330	43030				8	10.0	0.02<W				
901126 0950	39856	300	0.500	100	6		0.02<W	7.030	0.0530		
1430	43031				8		0.02<W	7.350	0.0400		
901210 1330	43032				8		0.02<W				
MAXIMUM		790	3.400	1080		27.0	0.05	0.296	11.400	0.3300	0.260
ARITH MEAN		219	1.175	290		14.3	0.02<A	0.072	6.561	0.0867	0.088
GEOM MEAN		106	0.986	141		8.7	0.02<A	0.027	0.0676	0.075	0.075
HINTHUM		12	0.450	20		0.5	0.02	0.001	0.935	0.0240	0.030
STD DEV (GEOM *)		4*	0.830	4*		8.8	0.01<A	0.093	0.0725	0.062	0.062
# SAMP IN STATISTICS		9	11	9		11	42	11	31	32	11
% SAMP (EXCLUDED)									3		

(C O N T I D)

1990 WATER QUALITY DATA REGION 1

31

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

* = INTERIM		TEST-NAME:	LAT: 42 21 10.74		LONG: 082 19 16.72		U T M: 17 0391175.0 4689600.0 4		REGION: 01		DISTANCE: 14,484			
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	NH3UR		K'DAHL N TOTAL UNF-REAC HG/L AS N	NITKUR UNF-REAC HG/L AS N	PBT LEAD UNF-TOT. HG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	POALA ALACHLOR NG/L	POMET METALA- CHLOR NG/L	PP04FR P04 FTL-REAC HG/L AS P	PP04UR P04 UNF-REAC HG/L AS P	PPUT PHOSPHOR UNF-TOT. MG/L AS P
			UNF-REAC HG/L AS N	UNF-REAC HG/L AS N										
900122	0916	39701	10.400	1.820			0.005<W	7.83	2.500				0.111	0.354
900123	1445	43000					0.005<W	7.91			0.0380	0.0380		0.203
900125	1315	43001					0.005<W	8.06			0.0630	0.0630		0.175
900206	1430	43002					0.005<W	8.20			NO DATA/CR			0.042
900219	1400	43003					0.005<W	8.28			0.0465	0.0465		0.078
900223	0845	43004					0.020<T	7.87			0.4700	0.4700		2.920
900224	0945	43005					0.340	7.86			0.3600	0.3600		0.830
900226	0947	39717	6.700	1.200			0.005<W	7.78	1.500				0.090	0.234
900303	1000	43006					0.005<W	8.12			0.0350	0.0350		0.108
900315	0845	43007					0.005<W	8.07			0.1300	0.1300		0.415
900326	0927	39731	7.900	0.880			0.012<T	8.04	1.000				1.000	0.129
900402	0905	43008							1.000		0.0265	0.0265		
900418	0830	43009					0.005<W	8.22			0.0100	0.0100		0.075
900423	0924	39747	7.200	0.940			0.012<T	7.89	1.000				0.019	0.099
900430	0900	43009					0.005<W	8.20			0.0200	0.0200		0.093
900514	0825	43011					0.010<T	8.03			0.0070	0.0070		0.112
900517	1230	43012	8.800	1.180			0.005<W	8.03	1.000		0.2850	0.2850		0.575
900528	0946	39762					0.005<W	8.32					0.024	0.206
900530	0820	43013					0.005<W	8.14			0.0160	0.0160		0.123
900612	0820	43014					0.005<W	8.09	1.000<		0.0190	0.0190		0.086
900625	0948	39777	4.700	1.100			0.009<T	8.09			0.0075	0.0075	0.051	0.132
900626	0830	43015					0.005<W	8.09			0.0450	0.0450		0.348
900712	0825	43017					0.008<T	8.01					0.062	0.131
900723	1043	39793	4.600	0.980			0.005<W	7.86	1.000<		0.0215	0.0215		0.095
900725	1320	43018					0.005<W	8.17		100<W	0.0415	0.0415		0.122
900807	0825	43019					0.005<W	8.26		100	100<W	0.0435	0.061	0.061
900814	1500	43020					0.005<W	7.96	1.000<	100<W		0.0468	0.068	0.100
900820	0950	43021					0.005<W	8.40		100<W	0.0545	0.0545		0.140
900827	0945	39808	3.600	0.710			0.005<W	8.19	1.000<	100<W	0.2110	0.2110		0.318
900907	1630	43022					0.005<W	8.18		100<W	0.0370	0.0370	0.052	0.123
900917	1130	43023					0.005<W	8.09		100<W	0.0730	0.0730		0.100
900924	0910	39824	6.400	0.970			0.005<W	8.16			0.0690	0.0690		0.155
900926	0820	43024					0.005<W	8.31			0.0805	0.0805	0.240	0.640
901011	0845	43025					0.005<W	8.17						0.240
901012	1315	43026					0.009<T	8.08						0.138
901015	1200	43027					0.005<W	8.16						0.075
901022	0920	39840	8.000	1.100			0.005<W	8.05	4.500		0.0295	0.0295	0.060	0.138
901029	1320	43028					0.005<W	8.37			0.1420	0.1420		0.480
901108	1315	43029					0.012<T	8.08			0.0620	0.0620		0.054
901114	1330	43030					0.005<W	8.28						0.054

(C O N T D)

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE:

02
003
2870

LAT: 42 21 10.74 LONG: 082 19 16.72 U T M: 17 0391175.0 4689600.0 4 REGION: 01 DISTANCE: 14.484

REGION: 01

E: 14.484

[illegible][illegible]

(C O N T D)

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TRIBUTARY: THAMES RIVER

STORET CODE: 02

003

2870

DISTANCE: 14,484

REGION: 01

U T M: 17 0391175.0 4689600.0 4

LAT: 42 21 10.74 LONG: 082 19 16.72

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

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*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

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P1PCBT

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*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

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P1PCBT

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*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

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P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

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*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

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P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

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P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

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*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

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P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

P2SENC

P2DTR

P2CYP

P2CYAN

P2ATRA

P1PPDT

P1PPDE

P1PCBT

P1OPDT

*INTERIM TEST-NAME:

(CONT'D)

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERN STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

DISTANCE: 14.484

REGION: 01

U T M: 17 0391175.0 4689600.0 4

LONG: 082 19 16.72

LAT: 42 21 10.74

*=INTERIM	TEST-NAME:	P4CLN CHLORO FENVIN	P4DENT	P4DIAZ	P4DIME	P4DURS	P4ETHI	P4GUTH	P4LEPO	P4MALA	P4PALO
SAMPLE DATE	HOUR YYMMDD LMT	PHOS NG/L	DEMETON NG/L	DIAZINON NG/L	DIMETHOK NG/L	DURBAN NG/L	ETHION NG/L	GUTHION NG/L	LEPTPHOS NG/L	MALTHION NG/L	PHOSPHONE NG/L
900814	1500	1000<W	1000<W	50<W	250<W	100<W	100<W	5000<W	1000<W	100<W	500<W
900820	0950	1000<W	1000<W	50<W	250<W	100<W	100<W	5000<W	1000<W	100<W	500<W
900907	1630	1000<W	1000<W	50<W	250<W	100<W	100<W	5000<W	1000<W	100<W	500<W
900917	1130	1000<W	1000<W	50<W	250<W	100<W	100<W	5000<W	1000<W	100<W	500<W
900926	0820	1000<W	1000<W	50<W	250<W	100<W	100<W	5000<W	1000<W	100<W	500<W
		MAXIMUM	1000	50	250	100	100	5000	1000	100	500
		ARITH MEAN	1000<A	50<A	250<A	100<A	100<A	5000<A	1000<A	100<A	500<A
		GEOM MEAN	1000<A	50<A	250<A	100<A	100<A	5000<A	1000<A	100<A	500<A
		MINIMUM	1000	50	250	100	100	5000	1000	100	500
		STD DEV (GEOM #)	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
		5	5	5	5	5	5	5	5	5	5
#	SAMP IN STATISTICS										
%	SAMP (EXCLUDED)										

*=INTERIM	TEST-NAME:	P4PARA	P4PHET	P6CARB	P6CARY	P6CYCL	P6EPHT	P6MOLI	P6PEBU	P6SUTN	P6VERN
SAMPLE DATE	HOUR YYMMDD LMT	PARTHION NG/L	PHOSMET NG/L	CARBON- FURAN NG/L	CARBARYL NG/L	CYCLOATE NG/L	EPTAM NG/L	MOLINATE NG/L	PEBULATE NG/L	SUTAN NG/L	VERNATE NG/L
900814	1500	50<W	2000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W
900820	0950	50<W	2000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W
900907	1630	50<W	2000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W
900917	1130	50<W	2000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W
900926	0820	50<W	2000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W	1000<W
		MAXIMUM	50	2000	1000	1000	1000	1000	1000	1000	1000
		ARITH MEAN	50<A	2000<A	1000<A	1000<A	1000<A	1000<A	1000<A	1000<A	1000<A
		GEOM MEAN	50<A	2000<A	1000<A	1000<A	1000<A	1000<A	1000<A	1000<A	1000<A
		MINIMUM	50	2000	1000	1000	1000	1000	1000	1000	1000
		STD DEV (GEOM #)	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
		5	5	5	5	5	5	5	5	5	5
#	SAMP IN STATISTICS										
%	SAMP (EXCLUDED)										

(C O N T D)

B.O.W./ SITE: THAMES RIVER

SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING

STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

STORET CODE: 02

003

2870

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: THAMES RIVER

DISTANCE: 14.484

REGION: 01

U T M: 17 0391175.0 4689600.0 4

LAT: 42 21 10.74 LONG: 082 19 16.72

*INTERIM TEST-NAME:		RSF		RSP		ZNUZ	
SAMPLE DATE	TIME	RESIDUE FILTERED	RESIDUE PARTIC.	RESIDUE PARTIC.	RESIDUE PARTIC.	UNF. TOT.	ZINC
YYMMDD	LMT	NUMBER	MG/L	MG/L	MG/L	AS ZN	
900122	0916	39701	369.0	201.0		0.0110	
900123	1445	43000		83.0			
900125	1315	43001		79.1			
900206	1430	43002		23.3			
900219	1400	43003		22.0			
900223	0845	43004		1001.6			
900224	0945	43005		757.0			
900226	0947	39717	262.0	88.3		0.0170	
900303	1000	43006		40.3			
900315	0845	43007		193.0			
900326	0927	39731	408.1	63.9		0.0170	
900418	0830	43009		41.5			
900423	0924	39747	426	54.0		0.0075	
900430	0900	43009		63.6			
900514	0825	43011		75.3			
900517	1230	43012		220.0			
900528	0946	39762		102.0		0.0180	
900530	0820	43013		54.7			
900612	0820	43014		36.4			
900625	0948	39777	426.0	52.0		0.0230	
900626	0830	43015		55.2			
900712	0825	43017		386.0			
900723	1043	39793	338	34.9		0.0070	
900725	1320	43018		19.2			
900807	0825	43019		44.6			
900814	1500	43020		45.7			
900820	0950	43021		52.4			
900827	0945	39808	432.0	25.4		0.0570	
900907	1630	43022		51.8			
900917	1130	43023		268.0			
900924	0910	39824	438.0	39.9		0.0130	
900926	0820	43024		40.9			
901011	0845	43025		98.4			
901012	1315	43026		637.0			
901015	1300	43027		155.0			
901022	0920	39860	434.0	54.4		0.0260	
901029	1320	43028		11.0			
901108	1315	43029		478.0			
901114	1330	43030		30.6			
901126	0950	39856	451.0	32.4		0.0330	
	1430	43031		39.4			

(C O N T D)

1990 WATER QUALITY DATA REGION 1

36

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT BRIDGE COUNTY RD 34 PRAIRIE SIDING
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0013-007-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TRIBUTARY: THAMES RIVER

STORET CODE: 02
 003
 2870

DISTANCE: 14.484

REGION: 01

U T M: 17 0391175.0 4689600.0 4

LAT: 42 21 10.74 LONG: 082 19 16.72

*=INTERIM	TEST-NAME:	RSF	RSP	ZNUT	ZINC
SAMPLE	DATE	HOUR	RESIDUE	RESIDUE	UNF.TOT.
YHHDD LMT	NUMBER	MG/L	MG/L	AS ZN	
901210 1330	43032		16.7		
	MAXIMUM	451.0	1001.6		0.0570
	ARITH MEAN	398	139.7		0.0209
	GEOM MEAN	394	71.8		0.0174
	MINIMUM	262.0	11.0		0.0070
	STD DEV (GEOM *)	59	212.7		0.0143
	# SAMP IN STATISTICS	10	42		11
	% SAMP (EXCLUDED)				

B.O.W./ SITE: NORTH THAMES RIVER
SAMPLE POINT: AT PARK STREET BRIDGE, ST MARYS
STATION TYPE: RIVER FLOW GAUGE FED 02GD005

STATION ID: 04-0013-015-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERRITORY: THAMES RIVER

STORET CODE:

LAT: 43 15 18.72 LONG: 081 08 43.33

REGION: 01

DISTANCE: 254.752

*INTERIM		TEST-NAME:		FWSADP	FGPROJ	CLIDUR	COND25	FCMF		FSMF		FWSTRC	FWTEMP	NHHTUR		NH02UR
SAMPLE DATE	SAMPLE HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ					CHLORIDE UNF. REAC	CONDUCT. 25C	COLIFORM	FECAL			STREPTUC	FECAL	
YVHHDD	LH1	M	CODE	AS CL	UNHDD/CM AT 25 C	/100ML	MF	MF	MF	CHT	MG/L	DEG.C	AS N	MG/L	AS N	
900116	1040	0.30	0101	43.800	712.0	100	70AID	6	1.0	0.373	0.060			0.060		
900220	1030	0.30	0101	37.900	668.0	60	20	6	1.0	0.201	0.050			0.050		
900319	1040	0.30	0101	26.800	565.0	48	36	6	3.5	0.072	0.050			0.050		
900417	1020	0.30	0101	33.800	634.0	76	44	6	6.5	0.209	0.050			0.050		
900523	1020	0.30	0101	31.100	650.0	96	20	6	12.0	0.001<	0.120			0.120		
900619	1025	0.30	0101	48.600	593.0	268	64	6	18.0	0.080	0.130			0.130		
900717	1015	0.30	0101	30.200	559.0	330	290	6	21.0	0.001<	0.090			0.090		
900821	1020	0.30	0101	29.600	570.0	1500>	590	6	18.0	0.036	0.060			0.060		
900918	1010	0.30	0101	30.900	636.0	400AID	170	6	18.0	0.018	0.050			0.050		
901016	1010	0.30	0101	24.300	700.0	160	244	6	10.0	0.001<	0.070			0.070		
901121	1005	0.30	0101	21.200	619.0	48	60AID	6	4.0	0.002	0.050			0.050		
	MAXIMUM	0.30		48.600	712.0	400	590		21.0	0.373	0.130			0.130		
	ARITH MEAN	0.30		32.564	627.8	159	146		10.3	0.124	0.069			0.069		
	GEOM MEAN			31.687	625.8		83		6.8		0.063			0.063		
	MINIMUM	0.30		21.200	559.0	48	21.20		1.0	0.002	0.030			0.030		
	STD DEV (GEOM *)			8.145	52.7		3*		7.5		0.031			0.031		
	# SAMP IN STATISTICS	11		11	11	10	11		11	8	11			11		
	% SAMP (EXCLUDED)					0										

**=INTERIM		TEST-NAME:		NNOZUR		NNTKUR		PH		PPO4UR		PPUT		PSAMF PSEUDOMN AERUGN.		RSP	
SAMPLE NUMBER	SAMPLE DATE	HOUR	LMT	N03-N		K'DAHL N		PH		P04		PHOSPHOR		PSAMF		RSP	
				UNF	MG/L	UNF	MG/L	UNF	REAC	UNF	REAC	UNF	TOT	MG/L	CHT	MG/L	RESIDUE PARTIC
				AS N		AS N				AS P	AS P	AS P	AS P	/100HL			
39305	900116	1040		9.900		0.950		7.95		0.054		0.058		4		5.0<	
39330	900220	1030		9.400		0.840		8.06		0.034		0.043		4<		5.0<	
39355	900319	1040		9.400		0.750		8.11		0.035		0.050		24		5.0<	
39380	900417	1020		7.600		0.970		8.23				0.059				5.1	
39405	900523	1020		13.100		0.790		8.19		0.010		0.033				5.0<	
39430	900619	1025		2.600		1.280		8.02		0.021		0.134		4<		50.8	
39455	900717	1015		7.400		1.000		8.21		0.001<		0.089		20		20.7	
39480	900821	1020		39600		0.940		8.18		0.023		0.081		100C		13.3	
39505	900918	1010		6.100		0.930		8.26		0.024		0.066		16		9.9	
39530	901016	1010		39530		0.870		8.20		0.041		0.074		4<		43.4	
39555	901121	1005		5.100		0.860		8.26		0.004		0.059		4<		27.2	

(C O N T D)

B.O.W./ SITE: NORTH THAMES RIVER
 SAMPLE POINT: AT PARK STREET BRIDGE, ST MARYS
 STATION TYPE: RIVER FLOW GAUGE FED 02GD005

STATION ID: 04-0013-015-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

DISTANCE: 254.752

REGION: 01

U T M: 17 0488200.0 4788950.0 4

LAT: 43 15 18.72 LONG: 081 08 43.33

*=INTERIM TEST-NAME:

SAMPLE
 DATE HOUR
 YYMMDD LHT

UNF-REAC
 MG/L
 AS N

UNF-REAC
 MG/L
 AS N

PH

UNF-REAC
 MG/L
 AS P

UNF-REAC
 MG/L
 AS P

UNF-REAC
 MG/L
 AS P

RESIDUE
 PARTIC.
 MG/L

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM *)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

13.100

7.682

7.090

2.600

2.925

11

11

8.26

8.15

7.95

0.10

11

11

0.054

0.027

0.004

9

18

16

0.124

0.065

0.061

0.033

0.026

11

100

33

4

5

50

36

50.8

24.3

5.1

7

36

B.O.W./ SITE: THAMES RIVER
SAMPLE POINT: AT DUNDAS STREET WOODSTOCK
STATION TYPE: RIVER FLOW GAUGE FED 02G0D012

STATION ID: 04-0013-016-02

STATION TYPE: RIVER FLOW GAUGE FED 02GD012

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
287

LAT: 43 07 36.34 LONG: 080 46 45.59 U T M: 17 0517950.0 4774700.0 4 REGION: 01 DISTANCE: 258.132

REGION: 01

ANCE: 258.132

*=INTERIM	TEST-NAME:	FMSADP	FMPROJ	ALKT	BOD5	CLIDUR	COND25	CUUT	D0	FCMH	FSMF
SAMPLE DATE YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	5 DAY TOT. DEM. MG/L AS O	CHLORIDE UNF.REAC HG/L AS CL	CONDUCT. 25C UHMO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN HG/L AS O	FECAL COLIFORM /100HL CNT	FECAL STREPCUS /100HL CNT
900117 0910	39314	0.30	0101	200.0	3.34	106.000	941.0	0.0038	12.0	950	440
900221 0915	39339	0.30	0101					0.0017<T	10.0	12	52
900320 0920	39364	0.30	0103	158.0	3.62	37.300	577.0	0.0028	12.0	308	12
900618 0920	39389	0.30	0103	216.0	1.23	77.700	823.0	0.0021<T	10.0	600>	52
900524 0920	39414	0.30	0103	176.0	2.21	53.400	695.0	0.0030	12.0	80	32
900620 0920	39439	0.30	0103	201.0	3.49	72.000	785.0	0.0050	7.0	200	112
900718 0920	39464	0.30	0103	158.0	2.60	60.800	681.0	0.0020<T	8.0	260	470
900822 0920	39489	0.30	0103	158.0	6.28	56.200	651.0	0.0040	8.0	160	140
900919 0925	39514	0.30	0103	187.0		58.900	679.0	0.0030	8.0	380	450
901017 0915	39539	0.30	0103	242.0	19.70	44.200	749.0	0.0030	7.0	240	60A1D
901120 0915	39564	0.30	0103	275.0	2.36	42.100	792.0	0.0050	11.0	120	140
		0.30		275.0	19.70	106.000	941.0	0.0050	12.0	950	470
		0.30		197.1	4.98	60.860	737.3	0.0032<A	9.5	298	186
		0.30		193.9	3.54	50.154	730.9	0.0030<A	9.3		112
		0.30		158.0	1.23	37.300	577.0	0.0017	7.0	12	
		11		38.9	5.69	20.306	103.1	0.0011<A	2.0		3*
# SAMP IN STATISTICS % SAMP EXCLUDED)				10	9	10	10	11	11	10	11
				9						9	
*=INTERIM	TEST-NAME:	FMSTRC	FWTEMP	NH3TUR	NN02UR	NN03UR	NNTKUR	PBUT	PH	PP04UR	PPUT
SAMPLE DATE YYMMDD LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	TOTAL NH3-N UNF.REAC MG/L AS N	NO2-N UNF.REAC HG/L AS N	NO3-N UNF.REAC MG/L AS N	K'DAHL N TOTAL UNF.REAC AS N	LEAD UNF.TOT. MG/L AS PB		P04 UNF.REAC HG/L AS P	PHOSPHOR UNF.TOT. HG/L AS P
900117 0910	39314	6	4.0	0.415	0.150	7.800	1.380	0.005<W	7.71	0.076	0.146
900221 0915	39339	6	1.5		0.210	8.700	1.400	0.005<W		0.067	0.160
900320 0920	39364	6	4.5	0.146	0.140	9.200	1.400	0.005<W	7.92	0.060	0.131
900618 0920	39389	6	5.0	0.001<	0.220	6.500	0.830	0.005<W	7.84	0.020	0.072
900524 0920	39414	6	13.0	0.026	0.130	7.900	1.400	0.005<W	8.09	0.070	0.170
900620 0920	39439	6	17.5	0.066	0.220	6.000	1.400	0.005<W	8.00	0.049	0.158
900718 0920	39464	6	20.5	0.117	0.140	3.800	1.520	0.005<W	7.74	0.044	0.167
900822 0920	39489	6	19.0	0.348	0.120	3.300	1.180	0.005<W	7.92	0.055	0.142
900919 0925	39514	6	15.0	0.014	0.280	8.500	0.940	0.005<W	8.13	0.049	0.104
901017 0915	39539	6	12.0		0.240	9.000	0.970	0.005<W	8.22	0.042	0.096
901120 0915	39564	6	5.0	0.046	0.120						

(C O N T D)

STATION ID: 04-0013-016-02

STORET CODE: 02
003
2870

REGION: 01
DISTANCE: 258,132

PRUT PH PP0411P

PBUT	PH	PP04UR	PPUT
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LEAD	PH	PO4	PHOSPHOR
F.TOT.		UNF.REAC	UNF.TOT.
MG/L		MG/L	MG/L
AS PB		AS P	AS P

.005	8.22	0.076	0.187
.005<A	7.95	0.053	0.137
.005<A	7.95	0.050	0.132
.005	7.71	0.020	0.072
.000<A	0.16	0.016	0.036
	10	10	10

ZNUT

0.0200
0.0074

1990 WATER QUALITY DATA REGION 1

41

B.O.W./ SITE: AVON RIVER
 SAMPLE POINT: AT LORNE AVE STRATFORD
 STATION TYPE: RIVER FLOW GAUGE FED 02GD018

STATION ID: 04-0013-025-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STOREY CODE: 02

003

2870

LAT: 43 21 53.73 LONG: 081 01 04.42 U T M: 17 0498550.0 4801125.0 4 REGION: 01 DISTANCE: 278.570

SAMPLE DATE YTHDD LHT	HOUR	SAMPLE NUMBER	FWSADP	FGPROJ	ALK TOTAL MG/L AS CaCO3	BOD5 5 DAY TOT. DEM. MG/L AS O	CLDUR CHLORIDE UNF. REAC MG/L AS CL	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CRUT CHROMIUM UNF. TOT. MG/L AS CR	CUUT COPPER UNF. TOT. MG/L AS CU	DO	FCMH FECAL COLIFORM MF CMT /100ML
900116 0915		39302	0.30	0101	255.0	7.30	151.000	1151.0	0.0028	0.0038	13.0	350
900220 0920		39327	0.30	0101	235.0	4.37	90.100	933.0	0.0031	0.0035	9.0	840
900319 0930		39352	0.30	0103	205.0	2.70	57.200	712.0	0.0031	0.0036	13.0	424
900417 0920		39377	0.30	0103	225.0	4.468	58.800	788.0	0.0017<T	0.0033	13.0	600>
900523 0920		39402	0.30	0103	229.0	5.10	53.700	753.0	0.0005<W	0.0050	12.0	310
900619 0920		39427	0.30	0103	314.0	6.23	266.000	1820.0	0.0005<W	0.0050	4.0	440
900717 0915		39452	0.30	0103	238.0	6.32 >	85.500	938.0	0.0005<W	0.0030	7.0	280
900821 0915		39477	0.30	0103	232.0		77.200	857.0	0.0005<W	0.0050	7.0	760
900918 0910		39502	0.30	0103	282.0	7.16	63.700	795.0	0.0010<T	0.0060	7.0	330
901016 0915		39527	0.30	0101	283.0	2.65	46.500	785.0	0.0010<T	0.0060	9.0	420
901121 0910		39552	0.30	0103	315.0	6.00	57.900	875.0	0.0005<W	0.0050	10.0	980
		MAXIMUM	0.30		315.0	7.30	266.000	1820.0	0.0031	0.0060	13.0	980
		ARITH MEAN	0.30		252.1	5.11	91.600	946.1	0.0014<A	0.0045	9.5	513
		GEOM MEAN	0.30		249.8		78.922	911.9	0.0010<A	0.0044	8.9	
		MINIMUM	0.30		205.0	2.65	46.500	712.0	0.0005	0.0030	4.0	280
		STD DEV (GEOM *)	11		36.4		64.679	313.8	0.0011<A	0.0011	3.0	
		# SAMP IN STATISTICS	11		11		11	11	11	11	11	10
		% SAMP (EXCLUDED)	10		10							9

SAMPLE DATE YTHDD LHT	HOUR	SAMPLE NUMBER	FWSH	FWSTRC	FWTEMP	NIUT	NNHTUR NH3-N TOTAL	MN02UR N02-N UNF. REAC MG/L AS N	NH03UR N03-N UNF. REAC MG/L AS N	NNTKUR K'DAHL N TOTAL	PBUT	PH
900116 0915		39302	320	6	4.0	0.007<T	0.198	0.290	4.700	2.860	0.007<T	7.90
900220 0920		39327	250	6	2.0	0.007<T	0.093	0.140	4.900	2.740	0.005<W	7.85
900319 0930		39352	164	6	4.0	0.002<W	0.895	0.050	5.500	1.830	0.005<W	7.98
900417 0920		39377	600>	6	6.5	0.002<W	0.110	0.050	4.600	0.830	0.005<W	8.03
900523 0920		39402	120	6	12.0	0.005<T	0.001<	0.620	10.300	1.500	0.005<W	7.83
900619 0920		39427	600>	8	16.0	0.016	4.800	1.090	1.500	1.500	0.009<T	7.62
900717 0915		39452	450	9	20.0	0.006<T	0.001<	0.930	6.000	1.300	0.005<W	7.90
900821 0915		39477	1500AD	6	18.0	0.006<T	1.400	0.500	3.100	2.120	0.005<W	7.76
900918 0910		39502	350	6	13.0	0.006<T	0.732	0.640	4.500	2.120	0.005<W	7.87
901016 0915		39527	360	6	11.0	0.007<T	0.001<	0.590	7.200	1.770	0.005<W	7.98
901121 0910		39552	260	6	4.5	0.008<T	0.001<	0.170	5.000	0.980	0.005<W	8.00

(CONTD)

1990 WATER QUALITY DATA REGION 1

43

B.O.W./ SITE: TILBURY CREEK

SAMPLE POINT: 1 MILE SOUTHWEST OF TILBURY STATION

STATION TYPE: RIVER

STATION ID: 04-0013-026-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: THAMES RIVER

STORET CODE: 02

003

2870

LAT: 42 16 34.52 LONG: 082 26 51.52 U T M: 17 0360625.0 4681250.0 4 REGION: 01 DISTANCE: 7.725

*INTERIM TEST-NAME:		FMSADP	FGPROJ	BOD5 5 DAY TOT. DEM.	CHLORIDE UNF. REAC	CLIDUR	COND25 CONDUCT.	COPPER UNF. TOT.	CUUT	DO	DISSOLVED OXYGEN	FCMH COLIFORM	FSHF FECAL	FMSTRC
SAMPLE DATE	HOUR	DEPTH	PROJECT SUB-PROJ	AS O	MG/L	AS CL	AT 25 C	MG/L	AS CU	MG/L	AS O	CNT	MG/L	FMSTRC
YYMMDD	LMT	M	CODE	AS O	MG/L	AS CL	AT 25 C	MG/L	AS CU	MG/L	AS O	CNT	MG/L	FMSTRC
900122	0945	0.30	0103	2.06	74.400	782.0	0.0037	14.0	400AID	200AID	6	370	370	6
900226	1059	0.30	0103	3.16	28.200	369.0	0.0150	15.0	369.0	10AID	6	10AID	10AID	6
900326	1019	0.30	0103	8.44	69.700	10.0	0.0044	10.0	10AID	10AID	6	10AID	10AID	6
900423	0957	0.30	0101	8.84	42.400	662.0	0.0130	12.0	300AID	100AID	6	300AID	100AID	6
900528	1053	0.30	0103	31.90	64.900	755.0	0.0090	11.0	20AID	20AID	6	20AID	20AID	6
900625	1000	0.30	0103	11.00	61.400	728.0	0.0070	13.0	30AID	30AID	6	30AID	30AID	6
900723	1107	0.30	0101	6.66	55.300	597.0	0.0060	12.5	100<	100<	6	100<	100<	6
900827	1037	0.30	0103	5.40	2.200	694.0	0.0080	12.0	100AID	100<	6	100<	100<	6
900924	0950	0.30	0103	1.80	18.600	424.0	0.0110	6.0	480	1500>	6	1500>	1500>	6
901022	0955	0.30	0103	1.96	23.600	493.0	0.0050	7.0	300AID	300AID	6	300AID	300AID	6
901126	1020	0.30	0101	1.40	49.200	738.0	0.0050	8.0	210	250	6	250	250	6
		0.30		31.90	74.400	871.0	0.0150	15.0	480	370		370	370	
		0.30		7.51	44.536	646.6	0.0079	11.0	205	160		160	160	
		0.30		4.79	33.760	626.6	0.0072	10.6	10	10		10	10	
		0.30		1.40	2.200	369.0	0.0037	6.0	10	10		10	10	
		0.30		8.74	23.530	158.3	0.0037	2.9	11	11		11	11	
		11		11	11	11	11	11	11	11		11	11	

STD DEV (GEOM #)
SAMP IN STATISTICS
% SAMP (EXCLUDED)

*INTERIM TEST-NAME:		FWTEMP	NH2UR	NH3UR	NH3-N	NH2UR	NH3UR	NH3-N	NH2UR	NH3UR	NH3-N	NH2UR	NH3UR	NH3-N
SAMPLE DATE	HOUR	WATER TEMP	UNF. REAC	MG/L	AS N	UNF. REAC	MG/L	AS N	UNF. REAC	MG/L	AS N	UNF. REAC	MG/L	AS N
YYMMDD	LMT	DEG. C	AS N	MG/L	AS N	AS N	MG/L	AS N	AS N	MG/L	AS N	AS N	MG/L	AS N
900122	0945	0.5	0.649	0.090	9.900	1.920	0.005<W	7.76	0.116	0.186	8	0.186	0.186	8
900226	1039	0.5	0.392	0.090	6.200	3.303	0.010<T	7.52	0.300	0.815	4	0.815	0.815	4
900326	1019	0.95	0.095	0.070	3.000	5.000	0.009<T	8.23	0.700	0.860	4	0.860	0.860	4
900423	0957	39732	0.011	0.320	8.700	2.700	0.036<T	7.52	0.189	0.365	10AID	0.365	0.365	10AID
900528	1053	39748	1.370	0.450	1.600	5.200	0.007<T	7.50	0.445	1.160	10<	1.160	1.160	10<
900625	1000	39778	0.040	0.120	0.100<	3.200	0.005<W	7.59	0.185	0.390	4<	0.390	0.390	4<
900723	1107	39794	0.400	0.240	0.100	1.950	0.005<W	7.65	0.119	0.315	10<	0.315	0.315	10<
900827	1037	39809	0.471	0.120	4.300	2.520	0.005<W	7.48	0.056	0.230	4<	0.230	0.230	4<
900924	0950	39825	0.058	0.100	1.600	2.100	0.006<T	7.74	0.086	0.230	10AID	0.230	0.230	10AID
901022	0955	39841	0.016	0.050	2.400	1.900	0.005<W	7.74	0.100	0.330	10	0.330	0.330	10
901126	1020	39857	0.125	0.090	2.000	1.550	0.008<T	8.02	0.108	0.245	12	0.245	0.245	12

(C O N T D)

B.O.W./ SITE: TILBURY CREEK
 SAMPLE POINT: 1 MILE SOUTHWEST OF TILBURY STATION
 STATION TYPE: RIVER

STATION ID: 04-0013-026-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 16 34.52 LONG: 082 26 51.52 U T M: 17 0380625.0 4681250.0 4 REGION: 01 DISTANCE: 7.725

*=INTERIM	TEST-NAME:	FWTEMP	NNHTUR NH3-N TOTAL	NN02UR NO2-N UNF. REAC	NN03UR NO3-N UNF. REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF. TOT.	PH	PP04UR PO4 UNF. REAC	PPUT PHOSPHOR UNF. TOT.	PSAMF PSEUDOMN AERUG- HF CNT /100ML
	SAMPLE DATE YYHHDD LHT	WATER TEMP DEG.C	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF. REAC MG/L AS PB		AS P	AS P	
	MAXIMUM	25.0	1.370	0.450	9.900	5.200	0.036	8.23	0.700	1.160	12
	ARITH MEAN	14.1	0.359	0.151	3.980	2.849	0.009<A	7.66	0.219	0.473	9
	GEOM MEAN	8.6	0.115	0.114		2.639	0.007<A	7.66	0.164	0.396	
	MINIMUM	0.5	0.011	0.040	0.100	1.550	0.005	7.30	0.056	0.186	4
	STD DEV (GEOM %)	8.5	0.418	0.130		1.242	0.009<A	0.27	0.196	0.321	5
#	SAMP IN STATISTICS	11	10	11	10	11	11	11	11	11	5
%	SAMP (EXCLUDED)				9						40

*=INTERIM	TEST-NAME:	RSP	TURB	ZNUT ZINC	ZINC UNF. TOT.	TURB*ITY FTU	AS ZN
	SAMPLE DATE YYHHDD LHT	RESIDUE PARTIC. MG/L					
	900122 0945	15.1			0.0150		
	900226 1039	64.4			0.0830		
	900326 1019	65.0			0.0380		
	900423 0957	153.0	180.00		0.0480		
	900528 1053	39763			0.0370		
	900625 1000	39778			0.0200		
	900723 1107	39794			0.0200		
	900827 1037	39809			0.0870		
	900924 0950	39825			0.0290		
	901022 0955	39841			0.0020<T		
	901126 1020	39857			0.0350		
	MAXIMUM	153.0	180.00		0.0870		
	ARITH MEAN	78.9	180.00		0.0376<A		
	GEOM MEAN	65.2			0.0272<A		
	MINIMUM	15.1	180.00		0.0020		
	STD DEV (GEOM %)	44.7			0.0266<A		
#	SAMP IN STATISTICS	11	1		11		
%	SAMP (EXCLUDED)						

B.O.W./ SITE: NORTH THAMES RIVER
 SAMPLE POINT: AT MIDDLESEX COUNTY ROAD 42 LONDON
 STATION TYPE: RIVER FLOW GAUGE FED 02GE003

STATION ID: 04-0013-027-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2670

DISTANCE: 217.416

LAT: 43 02 29.34 LONG: 081 11 41.61

U T M: 17 0484125.0 4765225.0 4

REGION: 01

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME	NO2UR	NO3UR	NTKUR K'DAHL N	PH	PP04UR	PPUT	PSAMF PSEUDONN AERUG.	RSF	RSP	RST
			NO2-N UNF.REAC MG/L AS N	NO3-N UNF.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N		P04 UNF.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L		RESIDUE TOTAL MG/L
		MAXIMUM	0.140	10.500	1.090	8.40	0.064	0.114	415.0	38.6		514.0
		ARITH MEAN	0.078	7.782	0.894	8.21	0.036	0.069	377.1	17.9		410.8
		GEOM MEAN	0.069	7.467	0.864	8.21	0.064	0.064	376.2			407.9
		MINIMUM	0.020	3.900	0.680	7.99	0.004	0.031	331.4	4.3		344.0
		STD DEV (GEOM *)	0.036	2.189	0.138	0.13		0.027	27.5			52.1
		# SAMP IN STATISTICS	11	11	11	11	9	11	9	8		10
		% SAMP (EXCLUDED)					18		72	27		

B.O.W./ SITE: DINGHAM CREEK

SAMPLE POINT: 1ST CONC. DOWNSTREAM OF LANBERT

STATION TYPE: RIVER FLOW GAUGE FED 02GE005

STATION ID: 04-0013-029-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: THAMES RIVER

STORET CODE: 02

003

2870

LAT: 42 54 50.48 LONG: 081 18 49.08 U T M: 17 0474400.0 4751100.0 4 REGION: 01 DISTANCE: 196.013

*=INTERIM	TEST-NAME:	FWSADP	FPROJ	ALKT	BOD5 5 DAY TOT. DEM.	CLIDUR	COND25	CUUT	DO	FCNF FECAL COLIFORM /100ML	FSMF FECAL STREPTOC /100ML
SAMPLE DATE	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CaCO3	TOT. DEM. MG/L AS O	CHLORIDE UNF. REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF. TOT. MG/L AS CU			
900117 1305	39324	0.30	0101	147.0	4.12	238.000	1077.0	0.0180	13.0	530	3600
900221 1240	39349	0.30	0101					0.0023<T	11.0	520	352
900320 1245	39374	0.30	0103	190.0	2.06	112.000	844.0	0.0025<T	13.0	52	48
900418 1245	39399	0.30	0103	207.0	0.45	102.000	818.0	0.0026	14.0	120	32
900524 1245	39424	0.30	0103	243.0	1.37	83.900	838.0	0.0040	9.0	2000	220
900620 1240	39449	0.30	0103	225.0	2.41	80.900	768.0	0.0050	6.0	1000	270
900718 1300	39474	0.30	0103	254.0	1.53	89.600	848.0	0.0050	9.0	4400	1020
900822 1300	39499	0.30	0103	253.0		95.100	820.0	0.0050	7.0	3200	520
900919 1245	39524	0.30	0103	289.0	4.36	71.000	847.0	0.0050	8.0		
901017 1235	39549	0.30	0101	310.0	0.94	65.700	849.0	0.0040	9.0		
901120 1200	39574	0.30	0101	298.0	1.18	65.000	842.0	0.0050	9.0	660	140
	MAXIMUM	0.30		310.0	4.36	238.000	1077.0	0.0050	14.0	4400	3600
	ARITH MEAN	0.30		241.6	2.05	100.320	855.1	0.009 <A	9.8	1387	689
	GEOM MEAN			236.3	1.66	92.861	852.0	0.005 <A	9.5	682	274
	MINIMUM	0.30		147.0	0.45	65.000	768.0	0.0023	6.0	52	32
	STD DEV (GEOM %)			51.1	1.37	50.760	81.8	0.014 <A	2.6	4*	4*
# SAMP IN STATISTICS		11		10	9	10	10	11	11	9	9
% SAMP (EXCLUDED)											

SAMPLE DATE YYMMDD	HOUR LMT	*INTERIM TEST-NAME:	FWSTRC	FWTEMP	NNHTUR HM3-N TOTAL	NN02UR N02-N UNF. REAC	NN03UR N03-N UNF. REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF. TOT.	PH	PP04UR P04 UNF. REAC	PPHOSUR PHOSPHOR UNF. TOT.
900117	1305	39324	6	3.5	0.268	0.060	4.000	1.850	0.031	7.76	0.077	0.120
900221	1240	39349	4	2.0					0.005<W			
900320	1245	39374	6	4.0	0.134	0.090	6.000	0.980	0.005<W		0.040	0.078
900418	1245	39399	6	6.0	0.037	0.030	4.600	0.680	0.005<W	8.06	0.010	0.048
900524	1245	39424	6	14.0	0.001<	0.250	6.800	0.960	0.005<W	8.11	0.030	0.100
900620	1240	39449	6	18.0	0.083	0.120	2.900	1.050	0.005<W	7.85	0.063	0.162
900718	1300	39474	6	23.0	0.072	0.130	5.900	1.500	0.005<W	7.93	0.078	0.200
900822	1300	39499	6	18.0	0.064	0.040	2.400	1.040	0.005<W	7.82	0.062	0.174
900919	1245	39524	6	14.0	0.005	0.050	4.500	1.200	0.005<W	7.97	0.057	0.148
901017	1235	39549	6	13.0		0.080	5.600	1.020	0.005<W	8.06	0.029	0.008
901120	1200	39574	6	4.5	0.026	0.040	3.800	0.710	0.005<W	8.21	0.008	0.044

(CONT'D)

B.O.M./ SITE: DINGMAN CREEK
 SAMPLE POINT: 1ST CONC.DOWNSTREAM OF LAMBERT
 STATION TYPE: RIVER FLOW GAUGE FED 02GE005

STATION ID: 04-0013-029-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 54 50.48 LONG: 081 18 49.08 U T M: 17 0474400.0 4751100.0 4 REGION: 01 DISTANCE: 196.013

*=INTERIM	TEST-NAME:	FWSTRC	FMTMP	NNHTUR NH3-N TOTAL	NN2UR NO2-N UNF.REAC MG/L	RNO3UR NO3-N UNF.REAC MG/L	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT. MG/L	PH	PP04UR P04 UNF.REAC MG/L	PPUT PHOSPHOR UNF.TOT. MG/L
	WATER		23.0	0.268	0.250	6.800	1.850	0.031	8.21	0.078	0.200
	TEMP		10.9	0.086	0.089	4.650	1.099	0.007<A	7.97	0.045	0.108
	DEG.C		8.4	0.073	0.073	4.436	1.054	0.006<A	7.97	0.036	0.082
	STREAM		2.0	0.005	0.030	2.400	0.680	0.005	7.76	0.008	0.008
	COND.		7.2	0.066	0.066	1.422	0.351	0.008<A	0.15	0.026	0.063
			11	8	10	10	10	11	9	10	10
				11							

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	PSAHF PSEUDOMN AERUG.	RSP	ZNUT	ZINC UNF.TOT. MG/L
	RESIDUE		179.0	0.0900	
	PARTIC.			0.0085	
	MG/L			0.0065	
				0.0042	
				0.0050	
				0.0090	
				0.0110	
				0.0130	
				0.0100	
				0.0040	
				0.0060	

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	PSAHF PSEUDOMN AERUG.	RSP	ZNUT	ZINC UNF.TOT. MG/L
	RESIDUE		179.0	0.0900	
	PARTIC.			0.0085	
	MG/L			0.0065	
				0.0042	
				0.0050	
				0.0090	
				0.0110	
				0.0130	
				0.0100	
				0.0040	
				0.0060	

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	PSAHF PSEUDOMN AERUG.	RSP	ZNUT	ZINC UNF.TOT. MG/L
	RESIDUE		179.0	0.0900	
	PARTIC.			0.0085	
	MG/L			0.0065	
				0.0042	
				0.0050	
				0.0090	
				0.0110	
				0.0130	
				0.0100	
				0.0040	
				0.0060	

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	PSAHF PSEUDOMN AERUG.	RSP	ZNUT	ZINC UNF.TOT. MG/L
	RESIDUE		179.0	0.0900	
	PARTIC.			0.0085	
	MG/L			0.0065	
				0.0042	
				0.0050	
				0.0090	
				0.0110	
				0.0130	
				0.0100	
				0.0040	
				0.0060	

B.O.W./ SITE: LOCK DRAIN

SAMPLE POINT: AT CONCESSION ROAD 22 HARMICH TWP

STATION TYPE: RIVER

STATION ID: 04-0013-031-02

STORET CODE: 02

003

2870

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

LAT: 42 21 04.38 LONG: 082 04 53.36 U T M: 17 0410925.0 4689125.0 4 REGION: 01 DISTANCE: 45.382

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME:	FMSADP	FMSADP DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L	ALK AS CaCO3	FPROJ	BOD5 5 DAY TOT-DEH. MG/L	CLIDUR CHLORIDE UNF REAC MG/L	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF TOT. MG/L	DO	FCHM FECAL COLIFORM CF	FSMF FECAL STREPTOC CF	DISTANCE /100ML	
900122	1145	39704	0.30	0.103	0103	146.0	146.0		0.68	39.000	738.0	0.0028	16.5	60AID	100		
900226	1215	39720	0.30	0.103	0103	138.0	138.0		3.16	30.800	641.0	0.0069	12.0	1210	620		
900326	1159	39734	0.30	0.103	0103	191.0	191.0		0.24	41.900	897.0	0.0130	14.0	20AID	10AID		
900423	1151	39750	0.30	0.101	0101	136.0	136.0		19.2	56.800	694.0	0.0160	12.0	250	10AID		
900528	1220	39765	0.30	0.103	0103	94.7	94.7		1.14	37.300	613.0	0.0040	14.5	52	16		
900625	1225	39780	0.30	0.103	0103	144.0	144.0		0.64	51.700	673.0	0.0070	13.5	548	212		
900723	1310	39796	0.30	0.101	0101	139.0	139.0		1.38	179.000	1074.0	0.0050	12.0	410	720		
900827	1145	39811	0.30	0.103	0103	180.0	180.0		0.88	129.000	948.0	0.0060	11.5	40AID	10<		
900924	1130	39827	0.30	0.103	0103	180.0	180.0		1.80	31.900	617.0	0.0080	3.0	640	260		
901022	1125	39843	0.30	0.103	0103	224.0	224.0		0.04<	44.000	771.0	0.0060	7.5	2200	100AID		
		MAXIMUM	0.30			224.0	224.0		19.2	179.000	1074.0	0.0160	16.5	2200	720		
		ARITH MEAN	0.30			157.3	157.3		3.2	64.140	759.6	0.0075	11.6	543	228		
		GEOM MEAN	0.30			153.4	153.4			53.114	747.2	0.0066	10.7	218			
		MINIMUM	0.30			94.7	94.7		0.24	30.800	613.0	0.0028	3.0	20	10		
		STD DEV (GEOM %)	10			36.5	36.5		9	49.455	151.7	0.0041	3.6	5*	9		
		# SAMP IN STATISTICS % SAMP (EXCLUDED)	10			10	10		10	10	10	10	10	10	10		
SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME:	FWSTRC	FWTEMP	NNHTR NH3-N TOTAL	UNF REAC MG/L	AS N	NNHTR NO3-N TOTAL	UNF REAC MG/L	AS N	NNHTR NO3-N TOTAL	UNF REAC MG/L	AS N	NNHTR NO3-N TOTAL	UNF REAC MG/L	AS N	NNHTR NO3-N TOTAL
900122	1145	39704	6	0.5	0.167	0.050	1.100	1.100	1.160	0.005<W	7.90	0.056	0.092	0.056	0.092	0.056	0.092
900226	1215	39720	6	0.5	0.058	0.050	9.200	9.200	2.000	0.005<W	7.45	0.060	0.430	0.060	0.430	0.060	0.430
900326	1159	39734	6	5.0	0.005	0.040	19.400	19.400	0.880	0.008<T	8.14	0.009	0.070	0.009	0.070	0.009	0.070
900423	1151	39750	6	18.0	0.010	0.010	11.900	11.900	11.400	0.026	7.30	0.097	0.370	0.097	0.370	0.097	0.370
900528	1220	39765	6	19.0	0.018	0.060	4.600	4.600	0.900	0.005<W	8.40	0.003	0.040	0.003	0.040	0.003	0.040
900625	1225	39780	6	19.0	0.085	0.010	0.100<	0.100<	1.000	0.019<T	8.15	0.009	0.025	0.009	0.025	0.009	0.025
900723	1310	39796	6	22.0	0.037	0.010	0.100<	0.100<	0.400	0.005<W	7.97	0.013	0.056	0.013	0.056	0.013	0.056
900827	1145	39811	6	25.0	0.041	0.010	0.100	0.100	0.990	0.005<W	7.71	0.001<	0.054	0.001<	0.054	0.001<	0.054
900924	1130	39827	6	15.0	0.141	0.120	3.900	3.900	1.650	0.005<W	7.85	0.112	0.195	0.112	0.195	0.112	0.195
901022	1125	39843	6	15.0	0.008	0.130	3.900	3.900	1.020	0.005<W	8.03	0.045	0.086	0.045	0.086	0.045	0.086

(C O N T I N U E D)

B.O.W./ SITE: BIG CREEK
SAMPLE POINT: CONC. 10 W. TILBURY TWP. W. OF STRANGFIELD
STATION TYPE: RIVER

STATION ID: 04-0013-033-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
287

LAT: 42 11 33.66 LONG: 082 31 01.22 U T M: 17 0374740.0 4672070.0 4 REGION: 01 DISTANCE: 16.737

REGION: 01

16,737

SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	UNF. REAC MG/L	COND. 25C UNH0/CH AT 25 C	COLONY COUNT CFU /100ML	IF CMT	IF CMT /100ML	STREAM COND.	WATER TEMP DEG.C	UNF. REAC MG/L	TOTAL AS N	UNF. REAC MG/L	AS N
900110	1210	30853	0.30	0101	58.900	453.0	460	5200	6	6	1.0	0.277	0.150	0.150	
900214	1215	30865	0.30	0101	58.600	862.0	100	862.0	100	6	2.0	0.001	0.080	0.080	
900313	1230	40733	0.30	0101	37.800	559.0	100AID	200AID	200AID	6	12.0	0.032	0.090	0.090	
900411	1335	40745	0.30	0101	25.400	381.0	700AID	2400	2400	6	8.0	0.086	0.330	0.330	
900514	1325	40757	0.30	0101	31.400	489.0	2100	900	900	9	14.0	0.341	0.200	0.200	
900613	1250	40769	0.30	0101	71.000	740.0	910	30AID	5	22.0	0.021	0.010	0.010	0.010	
900709	1250	40781	0.30	0101	82.000	733.0	120	120	120	6	26.0	0.040	0.100	0.100	
900814	1305	40793	0.30	0101	184.000	1121.0	1500	290	290	6	22.0	0.008	0.180	0.180	
900911	1335	40805	0.30	0101	50.800	522.0	1200	4100	4100	6	20.0	0.094	0.130	0.130	
901011	1000	40810	0.30	0101	17.300	273.0	3300	5300	5300	3	11.0	0.135	0.100	0.100	
901119	1230	40823	0.30	0101	52.500	905.0	1600	40AID	6	6	3.0	0.866	0.060	0.060	
901211	0920	40835	0.30	0101											
MAXIMUM			0.30		184.000	1121.0	3300	5300	5300		26.0	0.866	0.330	0.330	
ARITH MEAN			0.30		60.882	659.8	1054	1573	1573		11.9	0.173	0.133	0.133	
GEOM MEAN					50.237	593.0		431	431		7.7	0.057			
MINIMUM			0.30		17.300	273.0	72	7*	7*		1.0	0.001	0.010	0.010	
STD DEV (GEOM *)					45.219	254.9					9.0	0.255			
# SAMP IN STATISTICS			12		11	11	10	12	12		12	11	9	9	
% SAMP (EXCLUDED)							9								

TEST-NAME:		NN03UR		NNTKUR		PH	PP04UR		PPUT		RSP	TURB	
		NO3-N		K-DIAL N			P04		PHOSPHOR			TURB	
SAMPLE	DATE	UNF.	REAC	UNF.	REAC		UNF.	REAC	UNF.	TOT.	RESIDUE	TURB	
NUMBER	YYMMDD	AS N	MG/L	AS N	MG/L	PH	MG/L	MG/L	MG/L	AS P	MG/L	FTU	
30853	900110 1210	6.400		2.300		7.40	0.258		0.540		142.0		
30865	900214 1215	8.400		0.810		8.04	0.010		0.062		11.7		
40723	900313 1230	6.700		1.680		7.59	0.098		0.296		10.8		
40745	900411 1235	9.400		3.200		7.50	0.284		0.655		127.0		
40757	900514 1235	11.500		2.900		7.55	0.260		0.620		83.6		
40769	900613 1250	0.100		0.900		8.78	0.007		0.024		5.0<		
40781	900709 1250	0.100<		1.120		8.40	0.007		0.042		17.1		
40793	900814 1305	4.400		1.110		8.06	0.005		0.061		12.5		
40805	900911 1335	6.500		2.100		7.66	0.183		0.368		70.8		
40810	901011 1000	3.400		2.300		7.07	0.151		0.420		92.0		
40823	901119 1230	2.500		2.040		8.27	0.002		0.049		4.4		

(C O N T D)

1990 WATER QUALITY DATA REGION 1

52

B.O.W./ SITE: BIG CREEK

SAMPLE POINT: CONC.10 W.TILBURY TWP.W.OF STRANGFIELD

STATION TYPE: RIVER

STATION ID: 04-0013-033-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
2870

LAT: 42 11 33.66 LONG: 082 31 01.22

U T M: 17 0374740.0 4672070.0 4
REGION: 01
DISTANCE: 16.737

*=INTERIM TEST-NAME:

NH3UR

NH3UR

PH

PH

PP04UR

PPUT

RSP

TURB

SAMPLE

DATE

HHMM LMT

NH3-N

UNF-REAC

MG/L

AS N

UNF-REAC

MG/L

AS P

PH

PO4

UNF-REAC

MG/L

AS P

PH

NUMBER

NUMBER

NUMBER

AS N

AS N

AS N

AS N

AS P

AS P

AS P

AS P

AS P

AS P

AS P

AS P

AS P

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM #)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

11

11

11

11

11

11

11

11

11

11.500

5.930

0.100

0.806

11

11

11

11

11

11

11

11

11

11

11

11

8.78

7.85

7.83

7.07

0.51

11

11

11

11

11

11

11

11

11

11

11

0.284

0.115

0.038

0.002

0.116

11

11

11

11

11

11

11

11

11

11

11

0.655

0.285

0.161

0.024

0.249

11

11

11

11

11

11

11

11

11

11

11

142.0

58.1

10.8

10

10

10

10

10

10

10

10

10

10

10

10

10

16.40

16.40

16.40

1

9

9

9

9

9

9

9

9

9

9

9

9

B.O.W./ SITE: DINGMAN CREEK
SAMPLE POINT: AT WELLINGTON ROAD
STATION TYPE: RIVER

STATION ID: 04-0013-037-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02 003 287

LAT: 42 54 43.24 LONG: 081 12 27.55

REGION: 01
DISTANCE: 208.726

* = INTERIM TEST-NAME:

NNHTUR NN02UR

SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	UNF./REAC HG/L AS CL	CONDUCT. 25C UHMO/CM AT 25 C	CULIFORM MF CHT /100ML	STREPTOCOCCUS MF CHT /100ML	STREAM COND.	WATER TEMP DEG.C	UNF./REAC HG/L AS N	TOTAL UNF./REAC HG/L AS N
900117	1140	39322	0.30	0101	120.000	791.0	1080	1500>	9	2.0	0.146	0.040
900221	1125	39347	0.30	0101			192	12	6	1.0		
900320	1130	39372	0.30	0103	97.400	792.0	100	84	6	3.0	0.023	0.030
900418	1120	39397	0.30	0103	107.000	842.0	60	12	6	4.5	0.029	0.030
900524	1125	39422	0.30	0103	77.900	811.0	600>	352	6	14.0	0.001<	0.110
900620	1125	39447	0.30	0103	81.400	775.0	440	80	6	19.0	0.043	0.050
900718	1130	39472	0.30	0103	78.500	831.0	550	830	6	22.0	0.025	0.080
900822	1135	39497	0.30	0103	88.800	808.0	500	7900	6	18.5	0.051	0.030
900919	1135	39522	0.30	0103	61.200	657.0	1400	210	6	14.0	0.002	0.040
901017	1125	39547	0.30	0101	58.400	818.0	330	270	6	13.5	0.070	0.130
901120	1105	39572	0.30	0103	61.800	814.0	110	50AID	6	5.0	0.102	
		MAXIMUM	0.30		120.000	842.0	1400	7900		22.0	0.146	0.130
	ARTH MEAN		0.30		83.240	793.9	481	980		10.6	0.053	0.061
	GEOM MEAN				81.035	792.2				7.2		0.053
	MINIMUM		0.30		58.400	657.0	60	12		1.0	0.002	0.030
	STD DEV (GEOM *)				20.451	51.9				7.7		0.036
# SAMP IN STATISTICS			11		10	10	9	10		11	8	10
% SAMP EXCLUDED)							0	0				

* = INTERIM TEST-NAME:

TEST-NAME:	NNO3UR	NNTKUR	PH	PPO4UR	PPUT	PSAHF PSEUDOHM AERUG.	PIALDR	P1BHCA	P1BHCB	P1BHC	P1BHC	P1BHC
	NH3-N UNF. REAC HG/L AS N	K'DAHL N TOTAL UNF. REAC HG/L AS N		UNF. REAC HG/L AS P	PO4 REAC HG/L AS P	PHOSPHOR UNF. TOT. HG/L AS P		BHC ALPHA NG/L	BHC BETA NG/L	BHC GAMMA NG/L		
SAMPLE DATE												
HOUR												
Y1Y2Y3Y4Y5Y6Y7Y8Y9Y10Y11Y12Y13Y14Y15Y16Y17Y18Y19Y20Y21Y22Y23Y24Y25Y26Y27Y28Y29Y30Y31Y32Y33Y34Y35Y36Y37Y38Y39Y40Y41Y42Y43Y44Y45Y46Y47Y48Y49Y50Y51Y52Y53Y54Y55Y56Y57Y58Y59Y60Y61Y62Y63Y64Y65Y66Y67Y68Y69Y70Y71Y72Y73Y74Y75Y76Y77Y78Y79Y80Y81Y82Y83Y84Y85Y86Y87Y88Y89Y90Y91Y92Y93Y94Y95Y96Y97Y98Y99Y100Y101Y102Y103Y104Y105Y106Y107Y108Y109Y110Y111Y112Y113Y114Y115Y116Y117Y118Y119Y120Y121Y122Y123Y124Y125Y126Y127Y128Y129Y130Y131Y132Y133Y134Y135Y136Y137Y138Y139Y140Y141Y142Y143Y144Y145Y146Y147Y148Y149Y150Y151Y152Y153Y154Y155Y156Y157Y158Y159Y160Y161Y162Y163Y164Y165Y166Y167Y168Y169Y170Y171Y172Y173Y174Y175Y176Y177Y178Y179Y180Y181Y182Y183Y184Y185Y186Y187Y188Y189Y190Y191Y192Y193Y194Y195Y196Y197Y198Y199Y200Y201Y202Y203Y204Y205Y206Y207Y208Y209Y210Y211Y212Y213Y214Y215Y216Y217Y218Y219Y220Y221Y222Y223Y224Y225Y226Y227Y228Y229Y230Y231Y232Y233Y234Y235Y236Y237Y238Y239Y240Y241Y242Y243Y244Y245Y246Y247Y248Y249Y250Y251Y252Y253Y254Y255Y256Y257Y258Y259Y260Y261Y262Y263Y264Y265Y266Y267Y268Y269Y270Y271Y272Y273Y274Y275Y276Y277Y278Y279Y280Y281Y282Y283Y284Y285Y286Y287Y288Y289Y290Y291Y292Y293Y294Y295Y296Y297Y298Y299Y300Y301Y302Y303Y304Y305Y306Y307Y308Y309Y310Y311Y312Y313Y314Y315Y316Y317Y318Y319Y320Y321Y322Y323Y324Y325Y326Y327Y328Y329Y330Y331Y332Y333Y334Y335Y336Y337Y338Y339Y340Y341Y342Y343Y344Y345Y346Y347Y348Y349Y350Y351Y352Y353Y354Y355Y356Y357Y358Y359Y360Y361Y362Y363Y364Y365Y366Y367Y368Y369Y370Y371Y372Y373Y374Y375Y376Y377Y378Y379Y380Y381Y382Y383Y384Y385Y386Y387Y388Y389Y390Y391Y392Y393Y394Y395Y396Y397Y398Y399Y400Y401Y402Y403Y404Y405Y406Y407Y408Y409Y410Y411Y412Y413Y414Y415Y416Y417Y418Y419Y420Y421Y422Y423Y424Y425Y426Y427Y428Y429Y430Y431Y432Y433Y434Y435Y436Y437Y438Y439Y440Y441Y442Y443Y444Y445Y446Y447Y448Y449Y450Y451Y452Y453Y454Y455Y456Y457Y458Y459Y460Y461Y462Y463Y464Y465Y466Y467Y468Y469Y470Y471Y472Y473Y474Y475Y476Y477Y478Y479Y480Y481Y482Y483Y484Y485Y486Y487Y488Y489Y490Y491Y492Y493Y494Y495Y496Y497Y498Y499Y500Y501Y502Y503Y504Y505Y506Y507Y508Y509Y510Y511Y512Y513Y514Y515Y516Y517Y518Y519Y520Y521Y522Y523Y524Y525Y526Y527Y528Y529Y530Y531Y532Y533Y534Y535Y536Y537Y538Y539Y540Y541Y542Y543Y544Y545Y546Y547Y548Y549Y550Y551Y552Y553Y554Y555Y556Y557Y558Y559Y560Y561Y562Y563Y564Y565Y566Y567Y568Y569Y570Y571Y572Y573Y574Y575Y576Y577Y578Y579Y580Y581Y582Y583Y584Y585Y586Y587Y588Y589Y590Y591Y592Y593Y594Y595Y596Y597Y598Y599Y600Y601Y602Y603Y604Y605Y606Y607Y608Y609Y610Y611Y612Y613Y614Y615Y616Y617Y618Y619Y620Y621Y622Y623Y624Y625Y626Y627Y628Y629Y630Y631Y632Y633Y634Y635Y636Y637Y638Y639Y640Y641Y642Y643Y644Y645Y646Y647Y648Y649Y650Y651Y652Y653Y654Y655Y656Y657Y658Y659Y660Y661Y662Y663Y664Y665Y666Y667Y668Y669Y670Y671Y672Y673Y674Y675Y676Y677Y678Y679Y680Y681Y682Y683Y684Y685Y686Y687Y688Y689Y690Y691Y692Y693Y694Y695Y696Y697Y698Y699Y700Y701Y702Y703Y704Y705Y706Y707Y708Y709Y710Y711Y712Y713Y714Y715Y716Y717Y718Y719Y720Y721Y722Y723Y724Y725Y726Y727Y728Y729Y730Y731Y732Y733Y734Y735Y736Y737Y738Y739Y740Y741Y742Y743Y744Y745Y746Y747Y748Y749Y750Y751Y752Y753Y754Y755Y756Y757Y758Y759Y760Y761Y762Y763Y764Y765Y766Y767Y768Y769Y770Y771Y772Y773Y774Y775Y776Y777Y778Y779Y780Y781Y782Y783Y784Y785Y786Y787Y788Y789Y790Y791Y792Y793Y794Y795Y796Y797Y798Y799Y800Y801Y802Y803Y804Y805Y806Y807Y808Y809Y810Y811Y812Y813Y814Y815Y816Y817Y818Y819Y820Y821Y822Y823Y824Y825Y826Y827Y828Y829Y830Y831Y832Y833Y834Y835Y836Y837Y838Y839Y840Y841Y842Y843Y844Y845Y846Y847Y848Y849Y850Y851Y852Y853Y854Y855Y856Y857Y858Y859Y860Y861Y862Y863Y864Y865Y866Y867Y868Y869Y870Y871Y872Y873Y874Y875Y876Y877Y878Y879Y880Y881Y882Y883Y884Y885Y886Y887Y888Y889Y890Y891Y892Y893Y894Y895Y896Y897Y898Y899Y900Y901Y902Y903Y904Y905Y906Y907Y908Y909Y910Y911Y912Y913Y914Y915Y916Y917Y918Y919Y920Y921Y922												

(C O N T D)

1990 WATER QUALITY DATA REGION 1

DATE OF REPORT: 9 JAN 92 PAGE: 54

B.O.W./ SITE: DINGMAN CREEK
SAMPLE POINT: AT WELLINGTON ROAD
STATION TYPE: RIVER

STATION ID: 04-0013-037-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
2870

LAT: 42 54 43.24 LONG: 081 12 27.55

REGION: 01 DISTANCE: 208.726

*=INTERIM TEST-NAME:

NO3UR NO3-N UNF.REAC AS N
K'DAHL N TOTAL
PH

SAMPLE DATE HOUR

UNF.REAC AS N
UNF.REAC AS P
PH

YMHDD LHT

UNF.TOT. MG/L
AS P
AS P

MAXIMUM

1.540 8.80 0.188 0.580 22

ARITH MEAN

5.220 8.08 0.046 0.125 8

GEOM MEAN

4.153 8.08 0.029 0.063 4

MINIMUM

0.900 7.63 0.005 0.026 1

STD DEV (GEOM *)

2.807 0.31 0.053 0.163 5

SAMP IN STATISTICS

10 10 10 11 54

% SAMP (EXCLUDED)

11 11 11 11 11

*=INTERIM TEST-NAME:

P1DWD1 P1DWD2 P1DWD3 P1DWD4 P1DWD5

SAMPLE DATE HOUR

ENDOSULP ENDOSULP ENDOSULP ENDOSULP ENDOSULP

YMHDD LHT

ENDOSULP ENDOSULP ENDOSULP ENDOSULP ENDOSULP

MAXIMUM

2 2 2 2 2

ARITH MEAN

2 2 2 2 2

GEOM MEAN

2 2 2 2 2

HINIMUM

2 2 2 2 2

STD DEV (GEOM *)

0 0 0 0 0

SAMP IN STATISTICS

11 11 11 11 11

% SAMP (EXCLUDED)

11 11 11 11 11

*=INTERIM TEST-NAME:

P1DWD1 P1DWD2 P1DWD3 P1DWD4 P1DWD5

SAMPLE DATE HOUR

ENDOSULP ENDOSULP ENDOSULP ENDOSULP ENDOSULP

YMHDD LHT

ENDOSULP ENDOSULP ENDOSULP ENDOSULP ENDOSULP

MAXIMUM

2 2 2 2 2

ARITH MEAN

2 2 2 2 2

GEOM MEAN

2 2 2 2 2

HINIMUM

2 2 2 2 2

STD DEV (GEOM *)

0 0 0 0 0

SAMP IN STATISTICS

11 11 11 11 11

% SAMP (EXCLUDED)

11 11 11 11 11

*=INTERIM TEST-NAME:

P1DWD1 P1DWD2 P1DWD3 P1DWD4 P1DWD5

SAMPLE DATE HOUR

ENDOSULP ENDOSULP ENDOSULP ENDOSULP ENDOSULP

YMHDD LHT

ENDOSULP ENDOSULP ENDOSULP ENDOSULP ENDOSULP

MAXIMUM

2 2 2 2 2

ARITH MEAN

2 2 2 2 2

GEOM MEAN

2 2 2 2 2

HINIMUM

2 2 2 2 2

STD DEV (GEOM *)

0 0 0 0 0

SAMP IN STATISTICS

11 11 11 11 11

% SAMP (EXCLUDED)

11 11 11 11 11

(CONT'D)

B.O.W./ SITE: DINGHAM CREEK
 SAMPLE POINT: AT WELLINGTON ROAD
 STATION TYPE: RIVER

STATION ID: 04-0013-037-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2670

LAT: 42 54 43.24 LONG: 081 12 27.55 U T M: 17 0483050.0 4750850.0 4 REGION: 01 DISTANCE: 208.726

*=INTERIM	TEST-NAME:	P1MIRX	P1OCHL	P1OPDT	P1PCBT	P1PPDD	P1PPDE	P1PPDT	P1TOX	RSP	X1HCB
SAMPLE DATE YYMMDD	HOUR LMT	HYREX NG/L	OXYCHLOR NG/L	OP-DDT NG/L	PCB TOTAL NG/L	PP-DDD NG/L	PP-DDE NG/L	PP-DDT NG/L	TOXAPHEN NG/L	RESIDUE PARTIC. NG/L	HXCHLORO BUTADINE NG/L
900117	1140	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	123.0	1<W
900221	1125	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	5.0<	1<W
900320	1130	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	5.0<	1<W
900418	1120	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	10.7	1<W
900524	1125	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	29.7	1<W
900620	1125	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	32.3	1<W
900718	1130	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	10.7	1<W
900822	1135	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	28.1	1<W
900919	1135	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	13.5	1<W
901017	1125	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	26.2	1<W
901120	1105	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	123.0	1<W
MAXIMUM		5	2	5	20	5	1	5	500	123.0	1
ARITH MEAN		5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A	34.3	1<A
GEOM MEAN		5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A	10.7	1<A
MINIMUM		5	2	5	20	5	1	5	500	10.7	1
STD DEV (GEOM *)		0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
# SAMP IN STATISTICS		11	11	11	11	11	11	11	11	8	11
% SAMP (EXCLUDED)										20	

*=INTERIM	TEST-NAME:	X1HCCP	X2HCB	X2HCE	X2OCS	X2PCB	X2T236	X2T245	X2T26A	X2T23	X2T234
SAMPLE DATE YYMMDD	HOUR LMT	HEXACHLO ROCYCLOP ENTADIEN NG/L	HCB NG/L	HCE NG/L	OCTCHLOR STYRENE NG/L	CHLORO BENZENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO BENZENE NG/L	TECHLORO BENZENE NG/L
900117	1140	39322	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900221	1125	39347	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900320	1130	39372	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900418	1120	39397	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900524	1125	39422	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900620	1125	39447	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900718	1130	39472	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900822	1135	39497	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
900919	1135	39522	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
901017	1125	39547	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W
901120	1105	39572	1<W	1<W	1<W	1<W	5<W	5<W	5<W	5<W	1<W

(CONT'D)

B.O.W./ SITE: DINGHAM CREEK
 SAMPLE POINT: AT WELLINGTON ROAD
 STATION TYPE: RIVER

STATION ID: 04-0013-037-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 54 43.24 LONG: 081 12 27.55 U T M: 17 0483050.0 4750850.0 4 REGION: 01 DISTANCE: 208.726

*=INTERIM	TEST-NAME:	X1UICP	X2HCB	X2HCE	X2OCST	X2PNCB	X2T236	X2T245	X2T26A	X2T23	X2T234
	HEXACHLO ROCYCLOP ENTADIEN	NG/L	NG/L	HCB NG/L	OCTCHLOR STYRENE NG/L	CHLORO BENZENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO TOLUENE NG/L	1,2,3 TRCHLORO BENZENE NG/L	1,2,3,4 TRCHLORO BENZENE NG/L
SAMPLE DATE	HOUR										
YYMMDD	LHT										
		5	1	1	1	1	5	5	5	5	1
	MAXIMUM	5<A	1<A	1<A	1<A	1<A	5<A	5<A	5<A	5<A	1<A
	ARITH MEAN	5<A	1<A	1<A	1<A	1<A	5<A	5<A	5<A	5<A	1<A
	GEOM MEAN	5	1	1	1	1	5	5	5	5	1
	MINIMUM	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
	STD DEV (GEOM %)	2	11	11	11	11	11	11	11	11	11
	# SAMP IN STATISTICS										
	% SAMP (EXCLUDED)										

*=INTERIM	TEST-NAME:	X21235	X2124	X21245	X2135
	1,2,3,5 TECHLORO BENZENE	NG/L	NG/L	TECHLORO BENZENE NG/L	TRCHLORO BENZENE NG/L
SAMPLE DATE	HOUR				
YYMMDD	LHT				
900117	1140	39322	1<W	1<W	5<W
900221	1125	39367	1<W	1<W	5<W
900320	1130	39372	1<W	1<W	5<W
900418	1120	39397	1<W	1<W	5<W
900524	1125	39422	1<W	1<W	5<W
900620	1125	39447	1<W	1<W	5<W
900718	1130	39472	1<W	1<W	5<W
900822	1135	39497	1<W	1<W	5<W
900919	1135	39522	1<W	1<W	5<W
901017	1125	39547	1<W	1<W	5<W
901120	1105	39572	1<W	1<W	5<W
	MAXIMUM	1	5	1	5
	ARITH MEAN	1<A	5<A	1<A	5<A
	GEOM MEAN	1<A	5<A	1<A	5<A
	MINIMUM	1	5	1	5
	STD DEV (GEOM %)	0<A	0<A	0<A	0<A
	# SAMP IN STATISTICS	11	11	11	11
	% SAMP (EXCLUDED)				

B.O.W./ SITE: THAMES RIVER
SAMPLE POINT: AT PEMBERTON STREET INGERSOLL
STATION TYPE: RIVER FLOW GAUGE FED 02GD016

STATION ID: 04-0013-039-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE:

LAT: 43 02 43.48 LONG: 080 52 38.01 U T M: 17 051000.0 4765650.0 4 REGION: 01 DISTANCE: 245.257

REGION: 01

DISTANCE: 245.257

**INTERIM TEST-NAME:		FWSADP	FOPROJ	ALKT	CLIDUR	COND25	FCNF	FSNF	FWSTRC	FWTEMP	RHNTUW
SAMPLE	DATE	SAMPLE	PROJECT	ALK	CHLORIDE	CONDUCT.	COLIFORM	FECAL			
NUMBER	HOUR	DEPTH	SUB-PROJ	TOTAL	UNF-REAC	25C	MF	STREPCUS	FWSTRC	WATER	
	YYMMDD LHT	M	CODE	MG/L	AS CL	UNH0/CH	CNT	MF	STREAM	TEMP	
				AS CAC03		AT 25 C	/100HL	/100HL	COND.	DEG.C	AS N
900117	1005	0.30	0101	192.0	112.000	941.0	900	1080	6	3.0	0.372
900221	1000	0.30	0101				60	4	6	0.5	
900320	1000	0.30	0101	167.0	43.400	617.0	150	30A1D	6	4.0	0.142
900418	0955	0.30	0101		79.900	745.0	320	32	6	5.0	0.050
900524		0.30	0101	191.0	58.000	725.0	112	96			0.001<
900620	0955	0.30	0101	208.0	78.200	898.0	208	128	6	18.0	0.032
900718	1000	0.30	0101	188.0	71.800	810.0	1410	3500>	6	20.5	0.048
900822	1000	0.30	0101	189.0	71.900	787.0	690	340	6	18.0	0.041
900919	1000	0.30	0101	212.0	67.100	777.0	170	150	6	14.0	0.002
901017	0950	0.30	0101	241.0	47.800	791.0	140	100	6	12.0	
901120	0945	0.30	0101	258.0	45.900	811.0	110	50A1D	6	5.0	0.012
		0.30		258.0	112.000	941.0	1410	1080		20.5	0.372
		0.30		205.1	67.600	790.2	388	201		10.0	0.087
				203.4	64.964	785.5	240			6.6	
		0.30		167.0	43.400	617.0	60	4		0.5	0.002
				28.5	20.581	89.2	3*			7.3	
				9	10	10	11	10		10	8
		11						9			11

*=INTERIM	TEST-NAME:	NH02UR	NH02-N UNF .REAC MG/L AS N	NH03UR	NH03-N UNF .REAC MG/L AS N	HNTKUR K'DAHL N TOTAL UNF .REAC MG/L AS N	PH	P040UR P04 UNF .REAC MG/L AS P	PPUT PHOSPHOR UNF .TOT. MG/L AS P	PSAMF PSEUDOWN AERUG. HF CNT /100ML	RSP
	SAMPLE DATE *****HHDD LMT										RESIDUE PARTIC MG/L
	900117 1005	0.150		39317	6.500	1.560	7.98	0.067	0.172	4	51.8
	900221 1000			39342						4	
	900320 1000	0.240		39367	7.900	1.340	8.09	0.059	0.112	4	9.4
	900418 0955	0.090		39392	6.900	0.670	7.79	0.014	0.036	4	5.0
	900524	0.210		39417	6.600	0.830	8.14	0.020	0.085	4	19.7
	900620 0955	0.100		39442	6.000	0.840	8.15	0.044	0.084	4	13.1
	900718 1000	0.110		39467	5.300	1.020	8.15	0.046	0.122	8	30.3
	900822 1000	0.090		39492	3.600	1.020	8.04	0.035	0.133	4	24.6
	900919 1000	0.090		39517	3.400	0.910	8.18	0.038	0.113	4	18.0
	901017 0950	0.020		39542	8.000	0.920	8.19	0.047	0.132	4	26.3
	901120 0945	0.170		39567	8.600	0.800	8.45	0.020	0.083	8	26.1

(C O N T D)

STATION ID: 04-0013-039-02

STORET CODE: 02 003 2876

REGION: 01

[illegible]

	STD DEV (GEOM *)	0.
# SAMP IN STATISTICS	10	
% SAMP (EXCLUDED)		

B.O.W./ SITE: MIDDLE THAMES RIVER
 SAMPLE POINT: AT 2ND CONC.RD.SOUTH OF THAMESFORD
 STATION TYPE: RIVER FLOW GAUGE FED 02G0004

STATION ID: 04-0013-041-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02

003

2870

LAT: 43 01 54.28 LONG: 080 59 60.00 U T M: 17 0500000.0 4764125.0 4 REGION: 01 DISTANCE: 239.786

*=INTERIM	TEST-NAME:	FWSADP	FPROJ	ALKT	CHLORIDE UNF.REAC HG/L	COND25 CONDUCT. 25C UHMO/CM AT 25 C	CUUT	COPPER UNF.TOT. HG/L	DISOLVED OXYGEN MG/L	DO	FCMF FECAL COLIFORM MF CNT /100HL	FEUT	IRON UNF.TOT. HG/L	FSHF FECAL STREPTUS HF CNT /100HL
SAMPLE DATE YYMMDD LHT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL HG/L	AS CAC03	AS CL	AS CU	AS CU	AS O				AS FE	
900117 1055	39320	0.30	0101	44.2		7.600	164.0	0.0020<T	12.0		60	0.730	0.730	640
900221 1045	39345	0.30	0101					0.0017<T	14.0		244	0.130	0.130	64
900320 1050	39370	0.30	0103	201.0		29.700	636.0	0.0023<T	10.0		24	0.140	0.140	32
900418 1040	39395	0.30	0103	220.0		33.200	649.0	0.0012<T	14.0		12	0.054<T	0.054<T	28
900524 1045	39420	0.30	0103	235.0		31.700	698.0	0.0020<T	11.0		88	0.088<T	0.088<T	60
900620 1040	39445	0.30	0103	217.0		34.300	635.0	0.0030	13.0		88	0.110	0.110	56
900718 1045	39470	0.30	0103	217.0		34.300	662.0	0.0020<T	10.0		116	0.080<T	0.080<T	120
900822 1045	39495	0.30	0103	281.0		36.500	750.0	0.0040	10.0		700	0.070<T	0.070<T	210
900919 1050	39520	0.30	0103	296.0		35.000	784.0	0.0005<W	8.0		430	0.100<T	0.100<T	490
901017 1040	39545	0.30	0101	305.0		32.400	793.0	0.0030	8.0		110	0.050<T	0.050<T	70AID
901120 1030	39570	0.30	0103	292.0		31.000	762.0	0.0040	10.0		40AID	0.060<T	0.060<T	20AID
MAXIMUM		0.30		305.0		36.500	793.0	0.0040	14.0		700	0.730	0.730	640
ARITH MEAN		0.30		230.8		30.570	653.3	0.0023<A	10.9		174	0.147<A	0.147<A	163
GEOM MEAN				209.2		26.541	609.3	0.0021<A	10.7		94	0.101<A	0.101<A	87
MINIMUM		0.30		44.2		7.600	164.0	0.0005	8.0		12	0.050	0.050	20
STD DEV (GEOM *)				76.2		8.318	182.5	0.0011<A	2.1		3*	0.196<A	0.196<A	3*
# SAMP IN STATISTICS		11		10		10	10	11	11		11	11	11	11
% SAMP (EXCLUDED)														

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR NH3-N TOTAL	NN02UR NO2-N UNF.REAC HG/L	NN03UR NO3-N UNF.REAC HG/L	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04UR
SAMPLE DATE YYMMDD LHT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	UNF.REAC HG/L	AS N	UNF.REAC HG/L	AS N	LEAD UNF.TOT. MG/L	PH	PHENOLS UNF.REAC UG/L	P04 UNF.REAC HG/L
900117 1055	39320	4	1.0	0.427		22.000	1.140	0.005<W	7.70	2.500	0.067
900221 1045	39345	4	0.5			10.400	0.610	0.005<W	8.10	1.000<	0.036
900320 1050	39370	6	3.0	0.050		9.500	0.590	0.005<W	8.30	1.000<	0.006
900418 1040	39395	6	5.0	0.027		12.500	0.630	0.005<W	8.31	1.000<	0.010
900524 1045	39420	6	13.5	0.006		4.400	0.680	0.005<W	8.37	1.000<	0.008
900620 1040	39445	6	20.0	0.022		7.800	0.830	0.005<W	8.38	1.000<	0.018
900718 1045	39470	6	23.0	0.013		9.200	0.710	0.005<W	8.28	1.000<	0.026
900822 1045	39495	6	18.0	0.024		9.600	0.650	0.005<W	8.24	1.000<	0.010
900919 1050	39520	6	13.0	0.008		11.800	0.550	0.005<W	8.22	2.500	0.014
901017 1040	39545	6	12.0			8.600	0.550	0.005<W	8.28	1.000<	0.007
901120 1030	39570	6	4.5	0.036							

(C O N T I D)

1990 WATER QUALITY DATA REGION 1

B.O.W./ SITE: THAMES RIVER

SAMPLE POINT: AT FIRST BRIDGE DOWNSTREAM OF INGERSOLL

STATION TYPE: RIVER FLOW GAUGE FED 02GD016

STATION ID: 04-0013-042-02

STORET CODE: 02

003

2870

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: THAMES RIVER

DISTANCE: 239.786

REGION: 01

U T M: 17 0502875.0 4762650.0 4

LAT: 43 01 06.44 LONG: 080 57 52.98

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR NH3-N TOTAL	NN02UR UNF.REAC MG/L AS N	NN03UR UNF.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL	PBUT	PH	PP04UR	PPUT
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	UNF.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PO4 UNF.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P
MAXIMUM ARITH MEAN GEOM MEAN MINIMUM STD DEV (GEOM *) # SAMP IN STATISTICS % SAMP (EXCLUDED)											
900117	1020	39318	20C	21.0	0.494	0.230	1.800	0.006	8.28	0.078	0.222
900221	1015	39343	4<	10.4	0.083	0.111	6.280	0.005<A	8.11	0.046	0.139
900320	1020	39368	4	8.0	0.015	0.079	1.144	0.005<A	8.11	0.043	0.127
900418	1010	39393	4<	2.0	0.001	0.010	6.022	0.005	8.00	0.016	0.050
900524	1015	39418	4<	6.8	0.160	0.077	3.500	0.000<A	0.09	0.017	0.056
900620	1010	39443	4	11	9	10	1.779	11	10	10	10
900718	1015	39468	4								
900822	1015	39493	12								
900919	1020	39518	12								
901017	1005	39543	4<								
901120	1000	39568	4<								

*=INTERIM	TEST-NAME:	PSAMF PSEUDOWN AERUG.	RSP	ZNUT	ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	RESIDUE PARTIC. MG/L		
900117	1020	39318	20C	0.0170	
900221	1015	39343	4<	0.0055	
900320	1020	39368	4	0.0048	
900418	1010	39393	4<	0.0009<T	
900524	1015	39418	4<	0.0040	
900620	1010	39443	4	0.0050	
900718	1015	39468	4	0.0060	
900822	1015	39493	12	0.0070	
900919	1020	39518	12	0.0060	
901017	1005	39543	4<	0.0070	
901120	1000	39568	4<	0.0050	
MAXIMUM ARITH MEAN GEOM MEAN MINIMUM STD DEV (GEOM *) # SAMP IN STATISTICS % SAMP (EXCLUDED)					
900117	1020	39318	20	0.0170	
900221	1015	39343	9	0.0062<A	
900320	1020	39368	4	0.0052<A	
900418	1010	39393	4	0.0009	
900524	1015	39418	4	0.0040<A	
900620	1010	39443	6		
900718	1015	39468	45		
900822	1015	39493			
900919	1020	39518			
901017	1005	39543			
901120	1000	39568			

1990 WATER QUALITY DATA REGION 1

65

B.O.W./ SITE: NORTH THAMES RIVER
 SAMPLE POINT: AT HIGHWAY 7
 STATION TYPE: RIVER

STATION ID: 04-0013-043-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 43 12 29.81 LONG: 081 12 28.50 U T M: 17 0483110.0 4783750.0 4 REGION: 01 DISTANCE: 243.326

TEST-NAME:															
FWSADP		FGPROJ		ALKT		BOD5		CLIDUR		COND25		CUUT		DO	
SAMPLE DATE YYMMDD LHT		PROJECT SUB-PROJ CODE		TOTAL MG/L AS CaCO3		5 DAY TOT. DEM. MG/L AS O		CHLORIDE UNF. REAC MG/L AS CL		CONDUCT. 25C UMHO/CM AT 25 C		COPPER UNF. TOT. MG/L AS CU		DISSOLVED OXYGEN MG/L AS O	
900116	1135	39308	0101	223.0	0.94	46.200	710.0	0.0010<T	14.0	20AID					
900220	1130	39333	0101	223.0	0.99	43.400	681.0	0.0016<T	9.0	4					
900319	1130	39358	0103	177.0	1.30	29.800	554.0	0.0020<T	14.0	32					
900417	1115	39303	0103	208.0	1.23	33.200	617.0	0.0016<T	10.0	108					
900523	1115	39408	0103	215.0	0.59	30.800	628.0	0.0030	13.0	76					
900619	1120	39433	0103	159.0	1.13	52.300	601.0	0.0020<T	10.0	44					
900717	1115	39458	0103	190.0	1.08	33.400	570.0	0.0010<T	12.0	128					
900821	1110	39483	0103	211.0		33.300	577.0	0.0030	9.0	1500>					
900918	1110	39508	0103	283.0	0.64	24.000	680.0	0.0020<T	9.0	130					
901016	1105	39533	0101	263.0	1.88	22.600	626.0	0.0040	12.0	152					
901121	1050	39558	0103	283.0		52.300	710.0	0.0040	14.0	1200					
				MAXIMUM	1.88	34.900	624.4	0.0022<A	11.2	181					
				ARITH MEAN	1.09	33.768	622.5	0.0020<A	11.0	55					
				GEOM MEAN	1.03	22.600	554.0	0.0010	9.0	4					
				MINIMUM	0.59	9.565	52.1	0.0009<A	2.0	5#					
				STD DEV (GEOM *)	0.38	10	11		10	10					
				# SAMP IN STATISTICS	9										
				% SAMP (EXCLUDED)	10										
TEST-NAME:															
FWSTRC		FWTEMP		NNHTUR		NN02UR		NN03UR		NNTKUR		PBUT		PP04UR	
SAMPLE DATE YYMMDD LHT		WATER TEMP DEG.C		TOTAL MG/L AS N		NO2-N UNF. REAC MG/L AS N		NO3-N UNF. REAC MG/L AS N		K'DAHL N TOTAL MG/L AS N		LEAD UNF. TOT. MG/L AS PB		P04 UNF. REAC MG/L AS P	
900116	1135	39308	4	1.5	0.305	0.060	9.500	0.840	0.005<W	7.98	0.055	0.058			
900220	1130	39333	6	2.0	0.186	0.050	9.100	0.730	0.005<W	8.12	0.032	0.047			
900319	1130	39358	6	4.5	0.065	0.050	8.700	0.850	0.005<W	8.21	0.035	0.063			
900417	1115	39303	6	7.0	0.115	0.030	7.900	0.870	0.005<W	8.32	0.001<	0.047			
900523	1115	39408	6	14.0	0.011	0.070	12.300	0.780	0.005<W	8.41	0.008	0.030			
900619	1120	39433	6	20.0	0.040	0.100	2.100	0.950	0.005<W	8.26	0.022	0.060			
900717	1115	39458	6	23.0	0.001<	0.040	7.200	0.870	0.005<W	8.46	0.018	0.036			
900821	1110	39483	6	18.0	0.047	0.110	1.600	0.930	0.005<W	8.22	0.040	0.089			
900918	1110	39508	6	14.0			8.600	0.840	0.005<W	8.26	0.038	0.077			
901016	1105	39533	6	11.0	0.002	0.050	5.200	0.910	0.005<W	8.33	0.001	0.045			
901121	1050	39558	6	5.0	0.004	0.030									

(C O N T I D)

B.O.W./ SITE: NORTH THAMES RIVER
SAMPLE POINT: AT HIGHWAY 7
STATION TYPE: RIVER

STATION ID: 04-0013-043-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
2870

LAT: 43 12 29.81 LONG: 081 12 28.50 U T M: 17 0483110.0 4783750.0 4 REGION: 01 DISTANCE: 243.326

REGION: 01

DISTANCE: 243.326

**INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR NH3-N	NNO2UR NO2-N	NNO3UR NO3-N	NNTKUR K'DAHL N TOTAL	PBUT	PH	PP04UR	PBUT
SAMPLE DATE YYYYMMDD	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	UNF-REAC MG/L	UNF-REAC MG/L	UNF-REAC MG/L	UNF-REAC MG/L	LEAD UNF-TOT. MG/L		UNF-REAC MG/L	PHOSPHOR UNF-TOT. MG/L
HOUR	LMT			AS N	AS N	AS N	AS N	AS PB	PH	AS P	AS P
			23.0	0.305	0.110	12.300	0.950	0.005	8.46	0.055	0.089
			10.9	0.086	0.052	7.220	0.857	0.005<A	8.26	0.028	0.055
			8.0		0.048	6.163	0.855	0.005<A	8.26		0.053
			1.5	0.002	0.030	1.600	0.730	0.005	7.98	0.001	0.030
			7.5		0.024	3.350	0.067	0.000<A	0.14		0.018
			11	9	10	10	10	11	10	9	10
# SAMP IN STATISTICS	% SAMP (EXCLUDED)			10						10	

*INTERIM	TEST-NAME:	PSAUF PSEUDORN	RSF	RSP	RST	ZNUT
		AERUG.	RESIDUE FILTERED	RESIDUE PARTIC.	RESIDUE TOTAL	ZINC
	SAMPLE NUMBER	HF CNT /100ML	MG/L	MG/L	MG/L	UNF TOT. MG/L AS ZN
	900116 1135	16	410.0<	5.0<	410.0	0.0018<T
	900220 1130	12	443.0	5.0<		0.0034
	900319 1130	4<	369.7	6.3	376.0	0.0026
	900417 1115	3958	442.7	10.3	440.0	0.0005<W
	900523 1115	4<		5.0<	566.0	0.0010<T
	900619 1120	39433	392.0	11.4	380.6	0.0310
	900717 1115	39458	381.0	7.0	388.0	0.0010<T
	900821 1110	39483	395.0	15.0	410.0	0.0030
	900918 1110	39508				0.0010<T
	901016 1105	39533	433.1	32.9	466.0	0.0030
	901121 1050	39558	388.0	48.2	436.0	0.0040
	MAXIMUM	148	443.0	48.2	566.0	0.0310
	ARITH MEAN	35	403.9	18.7	430.3	0.0048<A
	GEOM MEAN				427.0	0.0023<A
	MINIMUM	4	369.7	6.3	376.0	0.0005
	STD DEV (GEOM *)				59.0	0.0088<A
	# SAMP IN STATISTICS	6	8	30	9	11
	% SAMP (EXCLUDED)	40	11	7		

B.O.W./ SITE: NORTH THAMES RIVER
SAMPLE POINT: AT CONCESSION ROAD 2 SOUTH OF MITCHELL
STATION TYPE: RIVER FLOW GAUGE FED 02GD014

STATION ID: 04-0013-044-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
2870

LAT: 43 26 50.47 LONG: 081 12 27.43 U T M: 17 0483200.0 4810300.0 4 REGION: 01 DISTANCE: 279.374

TEST-NAME:	FWSTRC	FWTEMP	NHHTUR	NH02UR	NH03UR	NHNTUR	PBUT	PH	PP04UR	PPUT
INTERIM			NH3-N	NH2-N	NH3-N	K'DAHL N	LEAD		P04	PHOSPHOR
SAMPLE	STREAM	WATER	UNF-REAC	UNF-REAC	UNF-REAC	UNF-TOT	UNF-TOT		UNF-REAC	UNF-TOT
DATE	COND.	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
YYMMDD		DEG.C	AS N	AS N	AS N	AS N	AS PB	PH	AS P	AS P
LHT										
MAXIMUM		20.5	0.344	0.130	14.200	1.300	0.006	8.21	0.061	0.194
ARITH MEAN		9.7	0.085	0.062	8.827	0.895	0.005<A	8.07	0.024	0.068
GEOM MEAN		6.6		0.052	7.013	0.864	0.005<A	8.07		0.058
MINIMUM		1.0	0.003	0.020	0.900	0.590	0.005	7.79	0.006	0.026
STD DEV (GEOM %)		7.2		0.039	4.240	0.247	0.000<A	0.15		0.047
# SAMP IN STATISTICS		11	9	11	11	11	11	11	10	11
% SAMP (EXCLUDED)			18						9	

TEST-NAME:	PSAMF PSEUDOINH AERUG.	RSP	ZNUT
INTERIM	DATE	RESIDUE PARTIC.	ZINC
HR	TIME	MG/L	MG/L
LT	HT	AS	AS
9000116	1000	39303	4<
9000220	0950	39328	4
9000319	1000	39353	4<
9000417	0945	39378	8
9000523	0950	39403	4<
9000619	0945	39428	4<
9000717	0940	39453	20
9000821	0940	39478	4<
9000918	0935	39503	4
9001016	0940	39528	8
9001121	0930	39553	4<
MAXIMUM			20
ARITH MEAN			9
GEOM MEAN			4
MINIMUM			5
STD DEV (GEOM *)			54
# SAMP IN STATISTICS			
% SAMP (EXCLUDED)			

B.O.W./ SITE: NORTH THAMES RIVER
 SAMPLE POINT: 1.4 MILES DOWNSTREAM OF ST MARYS
 STATION TYPE: RIVER FLOW GAUGE FED 02GD005

STATION ID: 04-0013-045-02

STORET CODE: 02
 003
 2870

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

LAT: 43 14 18.63 LONG: 081 10 11.86

U T M: 17 0486200.0 4787100.0 4 REGION: 01 DISTANCE: 251.051

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR NH3-N TOTAL	NN02UR NO2-N UNF. REAC MG/L AS N	NN03UR NO3-N UNF. REAC MG/L AS N	NNTKUR K'DAHL N TOTAL UNF. REAC MG/L AS N	PBUT	PH	PP04UR	PPUT
	WATER										
	TEMP										
	DEG.C										
	COND.										
	MAXIMUM		22.0	0.339	0.100	12.800	1.000	0.043	8.38	0.052	0.080
	ARITH MEAN		10.4	0.110	0.058	8.027	0.856	0.009<A	8.23	0.024	0.055
	GEOM MEAN		7.3			7.601	0.853	0.006<A	8.22		0.054
	MINIMUM		1.5	0.001	0.030	3.400	0.700	0.005	8.00	0.001	0.040
	STD DEV (GEOM *)		7.4			2.585	0.079	0.011<A	0.11		0.014
# SAMP IN STATISTICS			11	8	10	11	11	11	11	10	11
% SAMP (EXCLUDED)				27	9					9	

*=INTERIM	TEST-NAME:	PSAMF PSEUDOMN AERUG.	RSP	ZNUT	ZINC UNF. TOT. MG/L AS ZN
	RESIDUE				
	PARTIC.				
	MG/L				
	12		5.0<	0.0038	
	39306				
	900220 1045	39331	4	5.0<	
	900319 1050	39356	8	0.0027	
	900417 1035	39381	4	0.0038	
	900523 1030	39406	4<	0.0010<T	
	900619 1040	39431	4	0.0320	
	900717 1030	39456	4<	0.0010<T	
	900821 1030	39481	168C	0.0020<T	
	900918 1025	39506	16	0.0020<T	
	901016 1025	39531	4	0.0060	
	901121 1015	39556	4<	0.0040	
	MAXIMUM		66.9	0.0320	
	ARITH MEAN		20.9	0.0055<A	
	GEOM MEAN			0.0032<A	
	MINIMUM		6.3	0.0010	
	STD DEV (GEOM *)			0.0089<A	
# SAMP IN STATISTICS			9	11	
% SAMP (EXCLUDED)			27	18	

B.O.W./ SITE: TILBURY CREEK
SAMPLE POINT: AT HIGHWAY 2 WEST OF TILBURY
STATION TYPE: RIVER

STATION ID: 04-0013-046-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
2870

LAT: 42 15 49.05 LONG: 082 26 58.12 U T M: 17 0380450.0 4679850.0 4 REGION: 01 DISTANCE: 9.012

[illegible]

(C O N T D)

STATION ID: 04-0013-046-02

STORET CODE: 02
003
2870

DISTANCE: 9.012

TURB	
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3.00	
3.00	
3.00	
1	

1990 WATER QUALITY DATA REGION 1

DATE OF REPORT: 9 JAN 92 PAGE: 73

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT COUNTY ROAD 16 KONOHA
 STATION TYPE: RIVER

STATION ID: 04-0013-047-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STOREY CODE: 02
 003
 2870

DISTANCE: 184.748

U T N: 17 0465550.0 4753450.0 4

LAT: 42 56 05.41 LONG: 081 25 19.91

REGION: 01

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ASUT	BOD5 BOD 5 DAY TOT. DEM.	CCNAUR CYANIDE	CDUT	CLIDUR	COND25	CRUT
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ARSENIC UNF. TOT. MG/L AS AS	TOT. DEM. MG/L AS O	AVAIL UNF. REAC MG/L AS HCN	CADMIUM UNF. TOT. MG/L AS CD	CHLORIDE UNF. REAC MG/L AS CL	CONDUCT. 25C UNH2O/CH AT 25 C	CHROMIUM UNF. TOT. MG/L AS CR
900117	1230	39323	0101	197.0	0.001<W	4.04	0.001<W	0.0002<W	98.100	820.0	0.0040
900221	1205	39348	0101		0.001<W		0.001	0.0002<W		0.0021<T	0.00029
900320	1215	39373	0103	174.0	0.002<T	2.76	0.001<W	0.0002<W	35.200	578.0	0.0013<T
900418	1205	39398	0103	207.0	0.002<T	1.08	0.004<W	0.0003<W	39.100	633.0	0.0013<T
900524	1210	39423	0103	202.0	0.001<W	1.53	0.002<T	0.0003<T	41.200	670.0	0.0005<W
900620	1205	39448	0103	181.0	0.001<W	2.21	0.002<T	0.0002<W	62.600	685.0	0.0010<T
900718	1215	39473	0103	189.0	0.001<W	1.82	0.001<W	0.0002<W	45.900	627.0	0.0010<T
900822	1235	39498	0103	187.0	0.001<W		0.001<W	0.0002<W	42.900	595.0	0.0010<T
900919	1220	39523	0103	224.0	0.001<W	4.36	0.001<W	0.0002<W	37.100	654.0	0.0010<T
901017	1210	39548	0103	270.0	0.001<W	1.18	0.001<W	0.0002<W	32.400	706.0	0.0005<W
901120	1135	39573	0101	268.0	0.001<W	3.24	0.001<W	0.0002<W	37.100	720.0	
				270.0	0.002	4.36	0.004	0.0003	98.100	820.0	0.0040
				209.9	0.001<A	2.47	0.001<A	0.0002<A	47.160	668.8	0.0015<A
				207.6	0.001<A	2.21	0.001<A	0.0002<A	44.519	665.6	0.0012<A
				174.0	0.001	1.08	0.001	0.0002	32.400	578.0	0.0005
				34.2	0.000<A	1.21	0.001<A	0.0000<A	19.768	70.0	0.0011<A
				10	11	9	11	11	10	10	10

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	CUUT	DD	FCHE COLIFORM	FSMF FECAL STREPCUS	FWSTRC STREAM COND.	FMTFMP WATER TEMP DEG.C	NIUT NICKEL UNF. TOT. MG/L AS NI	NNHTRU NH3-N TOTAL UNF. REAC MG/L AS N	NNH2UR NO2-N UNF. REAC MG/L AS N
SAMPLE DATE YYMMDD	HOUR LMT	COPPER UNF. TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	FCHE COLIFORM CNT /100ML	FSMF FECAL STREPCUS CNT /100ML	FWSTRC STREAM COND.	FMTFMP WATER TEMP DEG.C	NIUT NICKEL UNF. TOT. MG/L AS NI	NNHTRU NH3-N TOTAL UNF. REAC MG/L AS N	NNH2UR NO2-N UNF. REAC MG/L AS N
900117	1230	39323	13.0	4200	1500>	6	4.0	0.004<T	0.201	0.120
900221	1205	39348	15.0	128	600>	6	2.5	0.003<T		
900320	1215	39373	14.0	84	264	6	5.5	0.002<W	0.097	0.190
900418	1205	39398	14.0	40	8	6	6.0	0.002<W	0.001<	0.180
900524	1210	39423	11.0	48	68	6	16.0	0.005<W	0.001<	0.260
900620	1205	39448	11.0	32	260	6	21.0	0.007<T	0.036	0.050
900718	1215	39473	9.0	196	72	6	24.0	0.007<T	0.018	0.070
900822	1235	39498	9.0	1070	90AID	6	20.0	0.005<T	0.064	0.060
900919	1220	39523	9.0	1400	210	6	15.0	0.004<T	0.001	0.080
901017	1210	39548	10.0	760	270	6	14.0	0.004<T	0.001	0.060
901120	1135	39573	10.0	660	140	6	6.0	0.007<T	0.001<	0.110

(C O N T D)

1990 WATER QUALITY DATA REGION 1

75

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT COUNTY ROAD 16 KONOHA
 STATION TYPE: RIVER

STATION ID: 04-0013-047-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 56 05.41 LONG: 081 25 19.91

DISTANCE: 184.748

REGION: 01

U T M: 17 0465550.0 4753450.0 4

*INTERIM TEST-NAME:

PIEND2

SAMPLE DATE HOUR

PIEND1

YMHDD LHT

ENDOSULP II NG/L

900117 1230

5<W

900221 1205

5<W

900320 1215

5<W

900418 1205

5<W

900524 1210

5<W

900718 1215

5<W

900822 1235

5<W

900919 1220

5<W

901017 1210

5<W

901120 1135

5<W

MAXIMUM

5

ARITH MEAN

5<A

GEOM MEAN

5<A

MINIMUM

5

STD DEV (GEOM #)

0<A

SAMP IN STATISTICS

10

% SAMP (EXCLUDED)

0<A

*INTERIM TEST-NAME:

PITOX

SAMPLE DATE HOUR

PIPPDT

YMHDD LHT

PP-DDT NG/L

900117 1230

5<W

900221 1205

5<W

900320 1215

5<W

900418 1205

5<W

900524 1210

5<W

900718 1215

5<W

900822 1235

5<W

900919 1220

5<W

901017 1210

5<W

901120 1135

5<W

MAXIMUM

500<W

ARITH MEAN

500<W

GEOM MEAN

500<W

MINIMUM

500

STD DEV (GEOM #)

0<A

SAMP IN STATISTICS

10

% SAMP (EXCLUDED)

10

(CONT'D)

B.O.W./ SITE: THAMES RIVER
SAMPLE POINT: AT COUNTY ROAD 16 KOMOKA
STATION TYPE: RIVER

STATION ID: 04-0013-047-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE:

02
003
2870

LAT: 42 56 05.41 LONG: 081 25 19.91 U T M: 17 0465550.0 4753450.0 4 REGION: 01 DISTANCE: 184.748

[illegible]

TEST-NAME:	*INTERIM	SAMPLE DATE	HOUR	SAMPLE NUMBER	X2123 TRCHLORO BENZENE NG/L	X21234 1,2,3,4 TECHLORO BENZENE NG/L	X21235 1,2,3,5 TECHLORO BENZENE NG/L	X2124 1,2,4 TRCHLORO BENZENE NG/L	X21245 1,2,4,5 TECHLORO BENZENE NG/L	X2135 1,3,5 TRCHLORO BENZENE NG/L	ZNUT	
											UNF.	ZINC MG/L AS ZN
		900117	1230	39323	5<W	1<W	1<W	5<W	1<W	5<W	0.0240	
		900221	1205	39348	5<W	1<W	1<W	5<W	1<W	5<W	0.0054	
		900320	1215	39373	5<W	1<W	1<W	5<W	1<W	5<W	0.0046	
		900418	1205	39398	5<W	1<W	1<W	5<W	1<W	5<W	0.0014<T	
		900524	1210	39423	5<W	1<W	1<W	5<W	1<W	5<W	0.0020<T	
		900620	1205	39448							0.0040	
		900718	1215	39473	5<W	1<W	1<W	5<W	1<W	5<W	0.0040	
		900822	1235	39498	5<W	1<W	1<W	5<W	1<W	5<W	0.0050	
		900919	1220	39523	5<W	1<W	1<W	5<W	1<W	5<W	0.0030	
		901017	1210	39548	5<W	1<W	1<W	5<W	1<W	5<W	0.0040	
		901120	1135	39573	5<W	1<W	1<W	5<W	1<W	5<W	0.0060	

(C O N T D)

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT COUNTY ROAD 16 KOMOKA
 STATION TYPE: RIVER

STATION ID: 04-0013-047-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

DISTANCE: 184,748

REGION: 01

U T M: 17 0465550.0 4753450.0 4

LONG: 081 25 19.91

LAT: 42 56 05.41

*=INTERIM	TEST-NAME:	X2123	X21234	X21235	X2124	X21245	X2135	ZNUT
SAMPLE		1,2,3	1,2,3,4	1,2,3,5	1,2,4	1,2,4,5	1,3,5	ZINC
DATE		TRCHLORO	TECHLORO	TECHLORO	TRCHLORO	TECHLORO	TRCHLORO	UNF.TOT.
YHDD	LMT	BENZENE	BENZENE	BENZENE	BENZENE	BENZENE	BENZENE	MG/L
		NG/L	NG/L	NG/L	NG/L	NG/L	NG/L	AS ZN
		5	1	1	5	1	5	0.0240
	MAXIMUM	5<A	1<A	1<A	5<A	1<A	5<A	0.0058<A
	ARITH MEAN	5<A	1<A	1<A	5<A	1<A	5<A	0.0043<A
	GEOM MEAN	5	1	1	5	1	5	0.0014
	MINIMUM	5	1	1	5	1	5	0.0014
	STD DEV (GEOM %)	0<A	0<A	0<A	0<A	0<A	0<A	0.0062<A
	# SAMP IN STATISTICS	10	10	10	10	10	10	11
	% SAMP (EXCLUDED)							

B.O.W./ SITE: NORTH THAMES RIVER
SAMPLE POINT: AT MIDDLESEX COUNTY ROAD 28
STATION TYPE: RIVER FLOW GAUGE FED 02GE015

STATION ID: 04-0013-050-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE:

LAT: 43 05 46.43 LONG: 081 10 08.23

UTM: 17 0486250.0 4771300.0 4

REGION: 01

DISTANCE: 229.003

*-INTERIM	TEST-NAME:	FMSADP	FGPROJ	CLIDUR	COND25	D0	FCMF FECAL COLIFORM /100ML	FSMF FECAL STREPTOC /100ML	FNSTRC	FWTEHP	NNHTUR MHS-N TOTAL UNF REAC HGS/L AS N
SAMPLE DATE YVHHDD LMT	SAMPLE NUMBER	SAMPLE DEPTH IN	PROJECT SUB-PROJ CODE	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT . 25C UHMD/CH AT 25 C	DISSOLVED OXYGEN NG/L AS O	CNT	HFC CNT	STREAM COND.	WATER TEMP DEG.C	
900116 1210	39309	0.30	0101	46,800	710.0	14.0	20AID	20AID	4	1.5	0.241
900220 1150	39334	0.30	0101	34,600	662.0	14.0	4<	4	4	0.5	0.107
900319 1150	39359	0.30	0101	22,600	539.0	13.0	12	16	6	5.0	0.038
900417 1140	39384	0.30	0101	30,900	603.0	13.0	28	8	6	7.0	0.051
900523	39409	0.30	0101	30,100	632.0		52	12			0.008
900619 1140	39434	0.30	0101	43,300	561.0	10.0	20	24	6	21.0	0.037
900717 1140	39459	0.30	0101	34,800	577.0	14.0	84	44	6	23.0	0.001<
900821 1135	39484	0.30	0101	28,900	602.0	10.0	1500>	1500>	6	18.0	0.012
900918 1130	39509	0.30	0101	31,100	654.0	8.0	100AID	300AID	6	13.0	0.006
901016 1125	39534	0.30	0101	22,300	680.0	9.0	152	60	6	11.0	0.004
901121 1110	39559	0.30	0101	23,400	643.0	12.0	100	60	6	4.5	0.002
	MAXIMUM	0.30		46,800	710.0	14.0	152	300		23.0	0.241
	ARITH MEAN	0.30		31,709	623.9	11.7	63	55		10.4	0.051
	GEOM MEAN			30,846	621.9	11.5				6.6	
	MINIMUM	0.30		22,300	539.0	8.0	12	4		0.5	0.002
	STD DEV (GEOM *)			7,950	52.6	2.3				8.1	
# SAMP IN STATISTICS % SAMP EXCLUDED)		11		11	11	10	9	10		10	10

*INTERIM	TEST-NAME:	NN02UR		NN03UR		NNITUR		PH	PP04UR		PPUT		PSAMF PSEUDOHN AERUC.	RSF	RSP	RST
		UNF.	REAC	UNF.	REAC	K'DAHL	N		UNF.	REAC	PHOSPHOR	UNF.				
	SAMPLE NUMBER	MG/L	AS N	MG/L	AS N	MG/L	AS N		AS P	MG/L	AS P	MG/L	MG/L	MG/L	MG/L	MG/L
	9900116	0.050		9.900		0.730		7.93		0.051		16		410.0		410.0
	9900220	0.050		9.600		0.740		8.11		0.048		4		430.0		430.0
	9900319	0.040		8.700		0.750		8.24		0.030		4		359.8		366.0
	9900417	0.020		7.900		0.700		8.37		0.036		4		418.5		424.0
	9900523	0.050		12.500		0.730		8.34		0.036		4		418.5		424.0
	9900619	0.020		1.500		0.940		8.16		0.002		4		347.8		347.8
	9900717	0.020		7.500		0.760		8.42		0.020		4		358.0		358.0
	9900821	0.020		6.100		0.860		8.49		0.031		4		358.1		366.0
	9900918	0.020		6.600		0.750		8.24		0.021		36		419.0		432.0
	9901016	0.030		8.400		0.690		8.24		0.046		4		445.0		466.0
	9901121	0.020		5.500		0.710		8.24		0.034		4		465.5		472.0
	9901211	0.020						8.28		0.037		4		426.0		440.0

(C O N T D)

1990 WATER QUALITY DATA REGION 1

81

B.O.W./ SITE: NORTH THAMES RIVER
SAMPLE POINT: AT MIDDLESEX COUNTY ROAD 28
STATION TYPE: RIVER FLOW GAUGE FED 02GE015

STATION ID: 04-0013-050-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
2870

LAT: 43 05 46.43 LONG: 081 10 08.23 U T M: 17 0486250.0 4771300.0 4 REGION: 01 DISTANCE: 229.003

**=INTERIM TEST-NAME:

NN02UR	NN03UR
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INTKIB

PH

000000

UNIT

NAME	DOE
ALAN	1
ALAN	2
ALAN	3
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ALAN	99
ALAN	100

200

3

SAMPLE	DATE	YYMMDD
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SAMPLE
NUMBER

UNF. REAC	MG/L	AS M
1	10	10
2	20	20
3	30	30
4	40	40
5	50	50
6	60	60
7	70	70
8	80	80
9	90	90
10	100	100
11	110	110
12	120	120
13	130	130
14	140	140
15	150	150
16	160	160
17	170	170
18	180	180
19	190	190
20	200	200
21	210	210
22	220	220
23	230	230
24	240	240
25	250	250
26	260	260
27	270	270
28	280	280
29	290	290
30	300	300
31	310	310
32	320	320
33	330	330
34	340	340
35	350	350
36	360	360
37	370	370
38	380	380
39	390	390
40	400	400
41	410	410
42	420	420
43	430	430
44	440	440
45	450	450
46	460	460
47	470	470
48	480	480
49	490	490
50	500	500
51	510	510
52	520	520
53	530	530
54	540	540
55	550	550
56	560	560
57	570	570
58	580	580
59	590	590
60	600	600
61	610	610
62	620	620
63	630	630
64	640	640
65	650	650
66	660	660
67	670	670
68	680	680
69	690	690
70	700	700
71	710	710
72	720	720
73	730	730
74	740	740
75	750	750
76	760	760
77	770	770
78	780	780
79	790	790
80	800	800
81	810	810
82	820	820
83	830	830
84	840	840
85	850	850
86	860	860
87	870	870
88	880	880
89	890	890
90	900	900
91	910	910
92	920	920
93	930	930
94	940	940
95	950	950
96	960	960
97	970	970
98	980	980
99	990	990
100	1000	1000

UNF. REAC
MG/L
AS N

UNF. REAC
MG/L
AS N

P04
UNF.REAC
HG/L
A S D

PHOSPHOR
UNF.TOT.
MG/L
AS D

AERUG. MF CNT FILTER

RESI PART

SIDU
TOTA

	MAXIMUM	ARITH MEAN	GEOM MEAN	MINIMUM	STD DEV (GEOM *)	# SAMP IN STATISTICS	% SAMP (EXCLUDED)
--	---------	------------	-----------	---------	------------------	----------------------	-------------------

12.500	0.940
7.655	0.758
6.908	0.755
1.500	0.690
2.830	0.072
11	11

8.42	0.039
8.23	0.023
8.23	
7.93	0.002
0.13	
11	9
	18

0.081
0.047
0.044
0.020
0.017
11

196	465.5
51	408.9
4	358.0
5	9
50	10

20.
11.
5.
8
27

0.4289

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT MIDDLESEX COUNTY ROAD 4
 STATION TYPE: RIVER

STATION ID: 04-0013-051-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 58 07.81 LONG: 081 09 00.76

REGION: 01 DISTANCE: 215.002

U T M: 17 0487750.0 4757150.0 4

*=INTERIM	TEST-NAME:	HHHTUR HH3-N	HHHTUR UNF .REAC HG/L	AS N	NO2UR NO2-N UNF .REAC HG/L	AS N	NO3UR NO3-N UNF .REAC HG/L	AS N	NHHTUR K'DAHL N TOTAL UNF .REAC HG/L	AS N	PBUT LEAD UNF .TOT. AS PB	PH	PP04UR UNF .REAC MG/L AS P	PPUT PHOSPHOR UNF .TOT. MG/L AS P	PSAHF PSEUDOMH AERUG. HF CNT /100ML	RSF
	MAXIMUM	0.279			0.160		9.800		1.080		0.005	8.46	0.073	0.106	60	567.0
	ARITH MEAN	0.083			0.063		7.660		0.850		0.005<A	8.25	0.035	0.079	32	508.6
	GEOM MEAN				0.052		7.480		0.840		0.005<A	8.25		0.076		
	MINIMUM	0.002			0.010		4.500		0.610		0.005	8.03	0.020	0.037	4	416.1
	STD DEV (GEOM #)				0.040		1.656		0.134		0.000<A	0.13		0.022		
	# SAMP IN STATISTICS	7			10		10		10		10	10	9	10	2	8
	% SAMP (EXCLUDED)	30											10		80	11

SAMPLE DATE YYMMDD	HOUR LHT	TEST-NAME:		RESIDUE PARTIC. HG/L	RST TOTAL HG/L	ZNUIT UNF .TOT. HG/L	ZINC AS ZN
		HHHTUR HH3-N	HH3-N				
900116	1335	39311	9.0	526.0	0.0045		
900220	1300	39336	5.0<		0.0052		
900319	1300	39361	13.9	430.0	0.0030		
900417	1300	39386	5.0<	490.0	0.0005<W		
900523		39411	5.0<	508.0			
900619	1310	39436	8.7	487.3	0.0300		
900717	1310	39461	27.5	534.0	0.0040		
900821	1310	39486	14.0	520.0	0.0030		
900918	1300	39511			0.0030		
901016	1355	39536	21.9	550.0	0.0040		
901121	1300	39561	34.5	568.0	0.0030		
		MAXIMUM	34.5	568.0	0.0300		
		ARITH MEAN	16.5	512.6	0.0060<A		
		GEOM MEAN		511.1	0.0037<A		
		MINIMUM	8.7	430.0	0.0005		
		STD DEV (GEOM #)		40.6	0.0085<A		
		# SAMP IN STATISTICS	7	9	10		
		% SAMP (EXCLUDED)	30				

STATION ID: 04-0013-052-02

MAJOR RASTN: GREAT LAKES

ELECTRICITY

THE GREAT LAKES

20

MINOR BASIN: LAKE ERIE

200

TERM STREAM: THAMES RIVER

33

1
2
3
4
5
6
7
8
9
10
11
12

LEAD
F.TOT.
MG/L

P04	PHOSPHOR
F. REAC	UNF. TOT.
MG/L	MG/L

.006	8.20
.005<A	8.03
.005<A	8.03
.005	7.82
.000<A	0.13
	10

.109	0.255
.020	0.051
.009	0.031
.001	0.014
.032	0.077
	9

7MIT

10117

RESIDUE	UNF. TOT.	MG/L	AS 7M
ARTIC.			
MG/L			

55.3 0.0120
0.0017<Y
5 0< 0.0016<Y

5.0	0.0003<Y
7.6	0.0010<Y
6.2	0.0010<Y
25.0	0.0020<Y

3.0	0.0010<W
4.8	0.0005<W
3.6	0.0005<W
E E	0.0000

55.3	0.0120
14.1	0.0023

3.6 0.0005
8 0.0034<A
20 11

B.O.W./ SITE: THAMES RIVER

SAMPLE POINT: AT HIGHWAY 59 SOUTH OF TAVISTOCK

STATION TYPE: RIVER

STATION ID: 04-0013-055-02

 MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TRIBUTARY: THAMES RIVER

 STORET CODE: 02
 003
 2870

LAT: 43 18 21.85 LONG: 080 50 55.15 U T M: 17 0512275.0 4794600.0 4 REGION: 01 DISTANCE: 298.847

SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	FWSADP	FGPROJ	CLIDUR	CHLORIDE UNF REAC MG/L	COND25 CONDUCT. 25C UMHO/CM AT 25 C	FCHF FECAL COLIFORM CNT /100ML	FSMF FECAL STREPTOCOCCUS CNT /100ML	FWSTRC	FWTEMP WATER TEMP DEG.C	NHNHUR NH3-N TOTAL UNF REAC MG/L	NNO2UR NO2-N UNF REAC MG/L
900220	0855	39325	0.30	0101	23.600	623.0	72	20	4	0.5	0.158	0.050	0.050
900319	0905	39350	0.30	0101	20.300	551.0	116	64	6	2.0	0.093	0.040	0.040
900417	0900	39375	0.30	0101	22.700	578.0	104	84	6	4.5	0.082	0.020	0.020
900523	0855	39400	0.30	0101	26.000	639.0	324	240	6	10.0	0.032	0.070	0.070
900619	0850	39425	0.30	0101	14.100	549.0	352	600	6	17.0	0.030	0.050	0.050
900717	0850	39450	0.30	0101	20.800	616.0	640	1040	6	19.0	0.001	0.070	0.070
900821	0850	39475	0.30	0101	24.500	700.0	1500	1500	6	16.0	0.038	0.060	0.060
900918	0845	39500	0.30	0101	26.800	719.0	600AID	1000	6	13.5	0.013	0.050	0.050
901016	0850	39525	0.30	0101	24.400	757.0	130	590	6	9.0	0.001	0.120	0.120
901121	0845	39550	0.30	0101	21.800	713.0	100	30AID	6	3.0	0.001	0.040	0.040
MAXIMUM													
ARITH MEAN													
GEOM MEAN													
MINIMUM													
STD DEV (GEOM %)													
# SAMP IN STATISTICS													
% SAMP (EXCLUDED)													
10													
7													
30													

SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	NNO3UR NO3-N UNF REAC MG/L	K'DAHL N TOTAL UNF REAC MG/L	NNTKUR AS N	PH	PP04UR P04 UNF REAC MG/L	PPUT PHOSPHOR UNF TOT MG/L	PSAUF PSEUDONH AERUGN CNT /100ML	RSP	RESIDUE PARTIC. MG/L
900220	0855	39325	8.100	0.980	0.980	7.64	0.048	0.074	4	5.0	5.0
900319	0905	39350	10.800	0.850	0.850	7.82	0.036	0.066	4	9.7	9.7
900417	0900	39375	6.900	0.780	0.780	8.03	0.011	0.065	4	12.9	12.9
900523	0855	39400	12.500	0.740	0.740	7.82	0.025	0.047	4	7.1	7.1
900619	0850	39425	0.500	0.730	0.730	8.08	0.027	0.053	4	5.0	5.0
900717	0850	39450	4.200	0.910	0.910	8.12	0.001	0.039	4	6.9	6.9
900821	0850	39475	7.100	1.030	1.030	7.83	0.087	0.129	16	9.2	9.2
900918	0845	39500	11.000	0.900	0.900	8.02	0.071	0.120	4	51.9	51.9
901016	0850	39525	11.000	0.720	0.720	7.92	0.049	0.077	4	48.1	48.1
901121	0845	39550	6.600	0.650	0.650	7.95	0.021	0.056	4	8.7	8.7

(CONT'D)

1990 WATER QUALITY DATA REGION 1

87

B.O.W./ SITE: THAMES RIVER

SAMPLE POINT: AT HIGHWAY 59 SOUTH OF TAVISTOCK

STATION TYPE: RIVER

STATION ID: 06-0013-055-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TRIBUTARY: THAMES RIVER

STORET CODE: 02

003

2870

LAT: 43 18 21.85 LONG: 080 50 55.15

REGION: 01

U T H: 17 0512275.0 4794600.0 4

DISTANCE: 298.847

*=INTERIM TEST-NAME:

NH03UR

NH03UR

PH

PH

PP04UR

PPUT

PSAMF

RSP

SAMPLE

DATE

YYHHDD LMT

SAMPLE

NUMBER

NH03-N

UNF-REAC

MG/L

AS N

NH03-N

UNF-REAC

MG/L

AS N

PH

PH

PP04UR

PPUT

PSAMF

PSEUDONN

AERUG.

HF

RSP

RSP

RESIDUE

PARTIC.

MG/L

MG/L

MAXIMUM

12.500

1.030

0.829

8.12

7.92

0.087

0.042

0.129

0.073

16

10

51.9

19.3

GEOM MEAN

5.814

0.821

0.650

7.64

0.15

0.011

0.039

4

2

6.9

8

20

20

MINIMUM

0.500

0.124

0.10

9

10

0.030

0.030

10

80

2

20

8

20

STD DEV (GEOM #)

3.555

10

10

10

10

9

10

10

80

2

20

8

20

SAMP IN STATISTICS

10

10

10

10

10

9

10

10

80

2

20

8

20

% SAMP (EXCLUDED)

10

10

10

10

10

9

10

10

80

2

20

8

20

B.O.W. / SITE: THAMES RIVER

SAMPLE POINT: AT COUNTY ROAD NO 15 NEAR KENT BRIDGE
STATION TYPE: RIVER FLOW GAUGE FED 02GE003

STATION ID: 04-0013-058-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02
003
2870

LAT: 42 30 49.09 LONG: 082 04 20.70

REGION: 01

U T M: 17 0411900.0 4707150.0 4

DISTANCE: 49.084

[illegible]

*SINTERIM	TEST-NAME:	FNSTRC	FWTEMP	NHHTUR NH3-N TOTAL UNF.-REAC MG/L AS N	NH02UR NH2-N UNF.-REAC MG/L AS N	NH03UR NH3-N UNF.-REAC MG/L AS N	NHTKUR K'DAHL N TOTAL UNF.-REAC MG/L AS N	PBUT LEAD UNF.-TOT. MG/L AS PB	PH	PP04UR P04 UNF.-REAC MG/L AS P	PPUT PHOSPHOR UNF.-TOT. MG/L AS P
	SAMPLE DATE YYYYMMDD LHH	HOUR	WATER TEMP DEG.C								
	39709	6	0.5	0.170	0.080	10.700	1.480	0.005<M	7.87	0.094	0.264
	900122 1420	6	0.5	0.135	0.050	7.000	1.010	0.005<M	7.71	0.090	0.225
	39724	6	9.0	0.019	0.060	8.500	2.150	0.005<T	7.97	0.059	0.680
	39739	6	17.0	0.006	0.230	6.700	1.240	0.016<T	7.88	0.026	0.098
	900423 1400	6	17.0	0.043	0.060	8.100	1.120	0.005<M	8.08	0.018	0.086
	39770	6	20.0	0.020	0.100	8.800	1.200	0.007<T	8.14	0.005	0.038
	900625 1402	6	23.0	0.080	0.030	4.500	1.020	0.005<M	8.25	0.040	0.157
	39800	6	27.0	0.039	0.050	5.400	1.020	0.005<M	8.18	0.047	0.128
	900827 1340	6	17.0	0.019	0.060	7.900	1.280	0.024<T	8.07	0.067	0.202
	39832	6	15.0	0.028	0.050	6.500	0.890	0.005<M	8.20	0.036	0.130
	901022 1335	6	10.0	0.028	0.050	6.500	0.890	0.005<M	8.20	0.036	0.130
	39846	6	10.0	0.028	0.050	6.500	0.890	0.005<M	8.20	0.036	0.130
	901126 1345	6	10.0	0.028	0.050	6.500	0.890	0.005<M	8.20	0.036	0.130
	39853	6	10.0	0.028	0.050	6.500	0.890	0.005<M	8.20	0.036	0.130

(C O N T D)

1990 WATER QUALITY DATA REGION 1

93

B.O.W./ SITE: TROUT CREEK
 SAMPLE POINT: AT PERTH COUNTY ROAD NO 28 ST.MARY'S
 STATION TYPE: RIVER FLOW GAUGE FED 02GD009

STATION ID: 04-0013-064-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 43 16 17.26 LONG: 081 05 46.02

DISTANCE: 258.936

U T M: 17 0492200.0 4790750.0 4

REGION: 01

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME	NH03UR	NO3-N UNF-REAC MG/L	AS N	NH04UR	NO4 UNF-REAC MG/L	AS P	PH	PP04UR	PO4 UNF-REAC MG/L	AS P	PPUT	PHOSPHOR UNF.TOT. MG/L	AS P	RSF	RSP	RST	RESIDUE PARTIC. MG/L	RESIDUE TOTAL MG/L
		MAXIMUM	6.900			1.360			8.45	0.053	0.108			397.4			32.0		408.0	
		ARITH MEAN	4.273			1.086			8.10	0.024	0.069			305.0			15.0		315.4	
		GEOM MEAN	3.779			1.071			8.10		0.063			302.3					312.7	
		MINIMUM	0.800			0.710			7.77	0.004	0.027			254.9			3.5		266.0	
		STD DEV (GEOM %)	1.745			0.161			0.23		0.026			43.4					45.4	
		# SAMP IN STATISTICS	11			11			11	10	11			11			10		10	
		% SAMP (EXCLUDED)								9							9		9	

B.O.W./ SITE: SHARON CREEK
 SAMPLE POINT: AT SHARON RESERVOIR OUTLET
 STATION TYPE: RIVER

STATION ID: 04-0013-065-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 53 05.75 LONG: 081 24 05.95 U T M: 17 0467200.0 4747900.0 4 REGION: 01 DISTANCE: 172.517

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME	FWSADP M	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	CLIDUR CHLORIDE UNF-REAC MG/L AS CL	COND25 CONDUCT. UMHO/CM AT 25 C	FCMF COLIFORM MF CHT /100ML	FSMF FECAL STREPTOCUS MF CHT /100ML	FWSTRC	FWTEMP	NNHTUR NH3-N TOTAL UNF-REAC MG/L AS N	NN02UR N02-N UNF-REAC MG/L AS N
900123	1125	39716	0.30	0.01	0101	30.400	397.0	1120	1500	6	1.0	0.208	0.060
900226	1315	39730	0.30	0.01	0101	23.500	300.0	1500	2100	4	1.0	0.240	0.040
900328	1200	39746	0.30	0.01	0101	26.600	416.0	10	10	6	7.0	0.230	0.040
900423	1550	39762	0.30	0.01	0101	40.500	424.0	4	4	6	16.0	0.214	0.050
900529	1330	39770	0.30	0.01	0101	39.800	446.0	24	28	6	19.0	0.313	0.090
900626	1215	39792	0.30	0.01	0101	42.300	493.0	28	40	6	22.0	0.186	0.120
900724	1055	39806	0.30	0.01	0101	45.900	502.0			6	25.0	0.057	0.100
900828	1125	39823	0.30	0.01	0101	46.200	479.0	20A1D	120	6	25.0	0.051	0.140
900925	1425	39839	0.30	0.01	0101	39.300	495.0	40A1D	10A1D	6	17.0	0.243	0.110
901023	1135	39855	0.30	0.01	0101	37.900	550.0	70A1D	20A1D	6	13.0	0.004	0.100
901127	1130	39870	0.30	0.01	0101	34.500	565.0	100	192	6	7.0	0.084	0.060
		MAXIMUM	0.30			46.200	565.0	1500	2100		25.0	0.313	0.140
		ARITH MEAN	0.30			36.991	460.6	363	359		13.9	0.166	0.083
		GEOM MEAN				36.230	454.5				9.3	0.112	0.076
		MINIMUM	0.30			23.500	300.0	20	10		1.0	0.004	0.040
		STD DEV (GEOM %)	11			7.472	75.2				8.8	0.100	0.034
		# SAMP IN STATISTICS				11	11	8	7		11	11	11
		% SAMP (EXCLUDED)						20	30				

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME	NN03UR N03-N UNF-REAC MG/L AS N	K'DAHL N TOTAL UNF-REAC MG/L AS N	PH	PP04UR P04 UNF-REAC MG/L AS P	PPUT PHOSPHOR UNF-TOT. MG/L AS P	PSAMF PSEUDOWN AERUG. MF CHT /100ML	RSP	TURB	TURBITY FTU
900123	1125	39716	6.600	1.620	7.67	0.198	0.342	4C	21.4		
900226	1315	39730	3.500	1.560	7.63	0.198	0.047	28C	58.7		
900328	1200	39746	4.300	1.030	7.86	0.155	0.200	4C	6.9		
900423	1550	39762	4.200	1.290	8.24	0.010	0.081	4C	13.4		
900529	1330	39770	4.000	1.540	8.21	0.020	0.088	4C	8.6		
900626	1215	39792	4.000	1.120	8.34	0.011	0.042	4C	6.1		
900724	1055	39806	4.200	1.000	8.53	0.016	0.024	4C	5.0		
900828	1125	39823	2.700	0.810	8.23	0.008	0.028	4C	6.5		
900925	1425	39839	2.100	1.260	7.93	0.023	0.068	4C	14.5		
901023	1135	39855	2.700	1.140	7.95	0.049	0.097	4C	7.9		
901127	1130	39870	2.900	1.020	8.12	0.066	0.105	4C			

1990 WATER QUALITY DATA REGION 1

96

B.O.M./ SITE: TROUT CREEK
 SAMPLE POINT: AT WEST ZORRA TMP.CONC.ROAD 2-3
 STATION TYPE: RIVER

STATION ID: 04-0013-066-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: THAMES RIVER

STORET CODE: 02

003
2870

LAT: 43 16 14.16 LONG: 080 59 06.77

U T M: 17 0501200.0 4790650.0 4

REGION: 01

DISTANCE: 269.880

SAMPLE DATE YYMMDD LHT	HOUR	TEST-NAME: FMSADP	FMSADP DEPTH M	SAMPLE NUMBER	PROJECT SUB-PROJ CODE	CLIDUR CHLORIDE UNF.REAC MG/L AS CL	COND25 CONDUCT. 25C UMHO/CM AT 25 C	FCMF FECAL COLIFORM MF CNT /100ML	FSMF FECAL STREPTOC MF CNT /100ML	FNSTRC COND.	FWTEMP WATER TEMP DEG.C	NNHTUR NH3-N TOTAL UNF.REAC MG/L AS N	NN02UR NO2-N UNF.REAC MG/L AS N
900116	0830		0.30	39301	0101	23.800	660.0	30AID	38AID	6	1.0	0.392	0.030
900220	0835		0.30	39326	0101	17.500	623.0	4	28	6	0.5	0.027	0.040
900319	0845		0.30	39351	0101	16.800	554.0	72	48	6	3.0	0.095	0.040
900417	0840		0.30	39376	0101	18.700	584.0	64	44	6	6.0	0.011	0.010
900523	0840		0.30	39401	0101	20.800	624.0	480	90AID	6	10.0	0.001<	0.070
900619	0835		0.30	39426	0101	12.400	590.0	348	156	6	17.0	0.097	0.080
900717	0830		0.30	39451	0101	15.900	629.0	440	340	6	18.0	0.001<	0.030
900821	0835		0.30	39476	0101	19.600	619.0	1500>	1500>	6	16.0	0.027	0.040
900918	0825		0.30	39501	0101	19.400	683.0	1200	100AID	6	14.0	0.011	0.030
901016	0835		0.30	39526	0101	17.400	690.0	250	340	6	9.0	0.001<	0.040
901121	0830		0.30	39551	0101	16.400	672.0	110	50AID	6	3.0	0.001<	0.010
MAXIMUM													
ARITH MEAN													
GEOM MEAN													
MINIMUM													
STD DEV (GEOM *)													
# SAMP IN STATISTICS													
% SAMP (EXCLUDED)													
900116	0830		0.30	39301	0101	23.800	690.0	1200	340	6	18.0	0.392	0.080
900220	0835		0.30	39326	0101	18.064	629.8	300	123	6	8.9	0.094	0.038
900319	0845		0.30	39351	0101	17.839	628.4	4	28	6	5.6	0.032	0.032
900417	0840		0.30	39376	0101	12.400	554.0	4	28	6	0.5	0.011	0.010
900523	0840		0.30	39401	0101	2.947	43.3	10	10	6	6.6	0.021	0.021
900619	0835		0.30	39426	0101	11	11	9	9	6	11	7	11
900717	0830		0.30	39451	0101	11	11	9	9	6	11	7	11
900821	0835		0.30	39476	0101	11	11	9	9	6	11	7	11
900918	0825		0.30	39501	0101	11	11	9	9	6	11	7	11
901016	0835		0.30	39526	0101	11	11	9	9	6	11	7	11
901121	0830		0.30	39551	0101	11	11	9	9	6	11	7	11

SAMPLE DATE YYMMDD LHT	HOUR	TEST-NAME: MNO3UR	MNO3UR UNF.REAC MG/L AS N	K'DAHL N TOTAL UNF.REAC MG/L AS N	PH	PP04UR UNF.REAC MG/L AS P	P04 UNF.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	PSAMF PSEUDONH AERUG. HF CNT /100ML	RSP RESIDUE PARTIC. MG/L
900116	0830		6.500	1.060	7.93	0.046	0.066	0.066	4<	5.9
900220	0835		6.700	0.520	7.84	0.020	0.041	0.041	4<	5.0<
900319	0845		8.000	0.960	7.90	0.031	0.076	0.076	4<	18.4
900417	0840		5.300	0.680	8.05	0.002	0.042	0.042	4<	13.5
900523	0840		10.300	0.720	7.99	0.026	0.053	0.053	4<	14.2
900619	0835		2.500	0.720	7.96	0.021	0.059	0.059	4<	13.4
900717	0830		5.500	1.260	8.18	0.005	0.042	0.042	4<	9.7
900821	0835		5.500	1.260	7.93	0.007	0.196	0.196	36	39.2
900918	0825		6.000	0.720	8.09	0.042	0.087	0.087	4	44.2
901016	0835		8.000	0.720	8.07	0.041	0.076	0.076	4<	47.4
901121	0830		5.000	0.530	8.10	0.007	0.037	0.037	4	16.7

(C O N T D)

B.O.W./ SITE: NORTH THAMES RIVER
 SAMPLE POINT: 2 MILES UPSTREAM FROM ST. MARY'S
 STATION TYPE: RIVER

STATION ID: 04-0013-067-02

HAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 0101

LAT: 43 17 13.69 LONG: 081 10 07.91 U T M: 17 0486300.0 4792500.0 4 REGION: 01 DISTANCE: 258.775

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	CLIDUR	COND25	FCFEC	FCFECAL	FSHF	FSHF	FNHSTR	FWTEHP	NNHSTR	NNHSTR	NNHSTR
SAMPLE	DATE	DEPTH	SAMPLE	PROJECT	CHLORIDE	UNF. REAC	CONDUCT.	25C	COLIFORM	HF	STREPTOCOCCUS	UNF. REAC	UNF. REAC	UNF. REAC
YYMMDD	LMT	NUMBER	M	CODE	AS CL	MG/L	AT 25 C	UMHO/CH	CNT	/100ML	CNT	HF	AS N	AS N
900116	1025	39304	0.30	0101	50.600	761.0	761.0	380	910	40AID	1.0	1.0	1.260	0.120
900220	1015	39329	0.30	0101	43.900	708.0	708.0	80AID	44	24	3.0	3.0	0.237	0.060
900319	1025	39354	0.30	0101	32.300	594.0	594.0	44	600	192	6.0	6.0	0.153	0.050
900417	1005	39379	0.30	0101	45.900	682.0	682.0	180	60	60	12.0	12.0	0.420	0.060
900523	1010	39404	0.30	0101	38.500	688.0	688.0	420	168	790	17.0	17.0	0.001	0.250
900619	1010	39429	0.30	0101	86.200	725.0	725.0	1500	150	220	11.0	11.0	0.037	0.040
900717	1000	39454	0.30	0101	56.700	693.0	693.0	72	210	3.5	22.0	22.0	0.001	0.050
900821	1005	39479	0.30	0101	39.800	681.0	681.0	44	24	3.0	6.2	6.2	0.015	0.040
900918	0955	39504	0.30	0101	37.600	704.0	704.0	8	10	11	7.3	7.3	0.021	0.050
901016	1000	39529	0.30	0101	29.400	725.0	725.0	20	18	11	11	11	0.005	0.080
901121	0955	39554	0.30	0101	36.100	766.0	766.0	20	18	11	11	11	0.004	0.190
900220	1015	39329	0.30	0101	86.200	766.0	766.0	420	910	40AID	1.0	1.0	1.260	0.120
900319	1025	39354	0.30	0101	45.182	702.5	702.5	197	276	157	9.5	9.5	0.239	0.090
900417	1005	39379	0.30	0101	43.225	701.0	701.0	44	24	3.0	6.2	6.2	0.073	0.073
900523	1010	39404	0.30	0101	29.400	594.0	594.0	44	24	3.0	1.0	1.0	0.004	0.040
900619	1010	39429	0.30	0101	15.733	46.3	46.3	8	10	11	7.3	7.3	0.069	0.069
900717	1000	39454	0.30	0101	11	11	11	20	18	11	11	11	9	11
900821	1005	39479	0.30	0101	11	11	11	20	18	11	11	11	9	11
900918	0955	39504	0.30	0101	11	11	11	20	18	11	11	11	9	11
901016	1000	39529	0.30	0101	11	11	11	20	18	11	11	11	9	11
901121	0955	39554	0.30	0101	11	11	11	20	18	11	11	11	9	11

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	NN03UR	NNTKUR	PH	PP04UR	PPUT	PSAMF:	RSP
SAMPLE	DATE	UNF. REAC	K'DAHL N	PH	UNF. REAC	PHOSPHOR	PSEUDOMIN	RESIDUE
YYMMDD	LMT	MG/L	TOTAL	AS N	MG/L	UNF. TOT.	AERUG.	PARTIC.
900116	1025	39304	1.040	7.86	0.099	0.170	4<	13.0
900220	1015	39329	0.950	8.04	0.036	0.053	4<	5.0
900319	1025	39354	0.910	8.11	0.034	0.052	4<	5.0
900417	1005	39379	1.900	8.23	0.001	0.045	4	5.0
900523	1010	39404	0.810	8.20	0.020	0.042	4<	5.0
900619	1010	39429	0.960	8.10	0.012	0.042	4<	5.0
900717	1000	39454	0.830	8.33	0.001	0.041	4<	10.2
900821	1005	39479	0.820	8.20	0.026	0.066	24	7.0
900918	0955	39504	0.840	8.23	0.023	0.056	4<	26.1
901016	1000	39529	0.910	8.15	0.043	0.068	4<	45.5
901121	0955	39554	0.720	8.21	0.019	0.038	4<	24.4

(C O N T D)

1990 WATER QUALITY DATA REGION 1

99

B.O.W./ SITE: NORTH THAMES RIVER
 SAMPLE POINT: 2 MILES UPSTREAM FROM ST. MARY'S
 STATION TYPE: RIVER

STATION ID: 04-0013-067-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 0101

LAT: 43 17 13.69 LONG: 081 10 07.91

U T H: 17 0486300.0 4792500.0 4

REGION: 01

DISTANCE: 258.775

*=INTERIM	TEST-NAME:	NNO3UR	NNTKUR	PH	PP04UR	PPUT	PSAMF	RSP
		NO3-N	K'DAHL N		PO4	PHOSPHOR	PSEUDOMN	
		UNF.REAC	UNF.REAC		UNF.REAC	UNF.TOT.	AERUG	
DATE	HOUR	MG/L	MG/L	AS N	AS P	MG/L	MG/L	MG/L
Y1HHDD	LMT	NUMBER	AS N	PH	AS P	AS P	CHT	
							/100HL	
		MAXIMUM	1.900	8.33	0.099	0.170	24	45.5
		ARITH MEAN	0.972	8.15	0.035	0.061	14	15.8
		GEOM MEAN	0.939	8.15		0.055		
		MINIMUM	1.100	7.86	0.012	0.038	4	5.0
		STD DEV (GEOM *)	3.009	0.12		0.037		
		# SAMP IN STATISTICS	11	11	9	11	2	9
		% SAMP (EXCLUDED)			18		80	18

B.O.M./ SITE: REYNOLD'S CREEK
 SAMPLE POINT: AT C/A AREA SOUTH OF HIGHWAY 401
 STATION TYPE: RIVER

STATION ID: 04-0013-068-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 58 17.85 LONG: 080 57 07.83 U T M: 17 0503900.0 4757450.0 4 REGION: 01 DISTANCE: 237.533

*INTERIM TEST-NAME:		FMSADP	FPROJ	CLIDUR	COND25	FCMF	FSMF	FWTEMP	NH3-N	NH4-N	NH2-N
SAMPLE		SAMPLE	PROJECT	CHLORIDE	CONDUCT.	COLIFORM	FECAL		TOTAL	UNF-REAC	UNF-REAC
DATE	HOUR	DEPTH	SUB-PROJ	UNF-REAC	25C	MG/L	MG/L	WATER	UNF-REAC	MG/L	MG/L
YYMMDD	LMT	IN	CODE	AS CL	UMHO/CM	CNT	CNT	TEMP	AS N	AS N	AS N
900117	1030	0.30	0101	28.300	559.0	1500	1500	2.0	0.592	0.090	
900221	1025	0.30	0101		625.0	160	80	1.0	0.129	0.130	
900320	1030	0.30	0101	25.600	662.0	600	312	3.0	0.017	0.060	
900418	1025	0.30	0101	27.400	662.0	92	32	4.0	0.017	0.060	
900524		0.30	0101	27.300	713.0	284	132		0.001	0.210	
900620	1020	0.30	0101	32.700	698.0	1500	520	19.0	0.026	0.160	
900718	1025	0.30	0101	31.200	751.0	2500	910	21.0	0.017	0.080	
900822	1025	0.30	0101	33.100	712.0	3700	550	18.0	0.057	0.090	
900919	1030	0.30	0101	28.700	775.0	1300	370	13.0	0.001	0.130	
901017	1020	0.30	0101	28.000	800.0	370	420	12.0	0.001	0.100	
901120	1010	0.30	0101	27.300	783.0	260	660	5.0	0.001	0.240	
900221	1025	0.30	0101	33.100	800.0	3700	910	21.0	0.592	0.240	
900320	1030	0.30	0101	28.960	707.8	1083	419	9.8	0.129	0.129	
900418	1025	0.30	0101	28.865	703.9			6.5	0.118	0.118	
900524		0.30	0101	25.600	559.0	92	32	1.0	0.001	0.060	
900620	1020	0.30	0101	2.512	75.8	8	10	7.7	0.059	0.059	
900718	1025	0.30	0101	10	10	27	9	10	7	10	
900822	1025	0.30	0101						22		

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*INTERIM TEST-NAME:		NN03UR	NNTKUR	PH	PP04UR	PPUT	PSAMF	RSP
SAMPLE		UNF-REAC	K'DAHL N		UNF-REAC	PHOSPHOR	PSEUDOMN	RESIDUE
DATE	HOUR	MG/L	TOTAL		MG/L	UNF-TOT.	AERUG.	PARTIC.
YYMMDD	LMT	AS N	MG/L		AS P	AS P	CNT	MG/L
900117	1030	9.700	3.200	7.57	0.179	0.685	52C	60.3
900221	1025	8.700	0.910	7.71	0.043	0.082	12	22.6
900320	1030	7.600	0.910	7.93	0.005	0.043	8	6.8
900418	1025	10.500	1.040	8.06	0.020	0.050	4	14.7
900524		7.000	1.300	8.23	0.032	0.108	4	41.9
900620	1020	39469	1.280	8.00	0.041	0.110	4	42.0
900718	1025	39469	1.280	8.09	0.053	0.146	4	34.6
900822	1025	39494	1.280	8.00	0.052	0.106	4	24.5
900919	1030	6.200	2.220	7.89	0.034	0.080	4	21.4
901017	1020	39544	1.120	8.02	0.021	0.066	4	38.4
901120	1010	39569						

1990 WATER QUALITY DATA REGION 1

101

B.O.W./ SITE: REYNOLD'S CREEK

SAMPLE POINT: AT C/A AREA SOUTH OF HIGHWAY 401

STATION TYPE: RIVER

STATION ID: 06-0013-068-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: THAMES RIVERSTORET CODE: 02
003
2870

DISTANCE: 237.533

LAT: 42 58 17.85 LONG: 080 57 07.83

U T H: 17 0503900.0 4757450.0 4

REGION: 01

*=INTERIM TEST-NAME:

NNTKUR

PH

PH

PPO4UR

PPUT

PSAMF

RSP

SAMPLE

DATE

YYMMDD

LHT

SAMPLE

NUMBER

NO3-N

UNF-REAC

MG/L

AS N

K'DAHL

TOTAL

UNF-REAC

MG/L

AS N

PH

P04

UNF-REAC

MG/L

AS P

PHOSPHOR

UNF.TOT.

MG/L

AS P

PSEUDOMN

AERUG.

HF

CNT

RESIDUE

PARTIC.

MG/L

/100ML

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM %)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

3.200

1.507

1.403

0.910

0.691

10

8.23

7.95

7.95

7.57

0.19

10

0.179

0.048

0.034

0.005

0.048

10

0.685

0.148

0.102

0.063

0.191

10

52

12

4

8

27

60.3

30.7

26.4

6.8

15.7

10

B.O.W./ SITE: FOLDENS CREEK
 SAMPLE POINT: AT CONC. RD. NO. 3 WEST OXFORD TWP.
 STATION TYPE: RIVER

STATION ID: 04-0013-069-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

LAT: 43 02 36.72 LONG: 080 49 10.30 U T H: 17 0514700.0 4765450.0 4 REGION: 01 DISTANCE: 250.085

*INTERIM TEST-NAME:	SAMPLE DATE YYMMDD LHT	HOUR	FWSADP	PROJECT SUB-PROJ CODE	DEPTH M	SAMPLE NUMBER	FGRP0J	CLIDUR	CHLORIDE UNF-REAC MG/L AS CL	COND25 CONDUCT. 25C UNH0/CM AT 25 C	FCNF FECAL COLIFORM CUT /100ML	FSMF FECAL STREPTOC MF CNT /100HL	FWSTRC	FMTMP	NNHTUR NH3-N TOTAL UNF-REAC MG/L AS N	NN02UR NO2-N TOTAL UNF-REAC MG/L AS N
	900117 0950		0.30	0101		39316			36.600	746.0	1500>	1500>	6	4.0	0.164	0.040
	900221 0945		0.30	0101		39341					72	48	6	2.5		
	900320 0950		0.30	0101		39366			34.500	715.0	4<	32	6	3.0	0.012	0.030
	900418 0945		0.30	0101		39391			33.600	745.0	24	24	6	4.0	0.006	0.020
	900524		0.30	0101		39416			32.500	774.0	600	244			0.009	0.030
	900620 0945		0.30	0101		39441			31.000	771.0	1500>	1500>	6	12.0	0.031	0.050
	900718 0950		0.30	0101		39466			32.300	739.0	12300	3100	6	16.0	0.008	0.030
	900822 0950		0.30	0101		39491			36.200	763.0	6200	540	6	14.0	0.013	0.020
	900919 0950		0.30	0101		39516			35.200	779.0	2500	520	6	11.0	0.008	0.010
	901017 0940		0.30	0101		39541			36.300	843.0	120	90AID	6	11.0	0.030	0.030
	901120 0935		0.30	0101		39566			34.200	803.0	330	80AID	6	6.5	0.010	0.030
			0.30			MAXIMUM			36.600	843.0	12300	3100		16.0	0.164	0.050
			0.30			ARITH MEAN			34.240	768.0	2768	520		8.4	0.029	0.029
			0.30			GEOM MEAN			34.192	767.3				6.9	0.014	0.027
			0.30			MINIMUM			31.000	715.0	24	24		2.5	0.006	0.010
						STD DEV (GEOM *)			1.896	35.9				5.0	0.051	0.011
						# SAMP IN STATISTICS			10	10		9		10	9	10
						% SAMP (EXCLUDED)										

*INTERIM TEST-NAME:	SAMPLE DATE YYMMDD LHT	HOUR	NN03UR NO3-N UNF-REAC AS N	NNTKUR K'DAHL N TOTAL UNF-REAC MG/L AS N	PH	PPO4UR P04 UNF-REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	PSAMF PSEUDOMN AERUG. MF CNT /100HL	RSP RESIDUE PARTIC. MG/L
	900117 0950		8.800	1.400	7.51	0.091	0.176	16	19.6
	900221 0945				7.65	0.069	0.065	4<	4<
	900320 0950		7.600	0.700	7.79	0.004	0.034	4<	5.0<
	900418 0945		7.400	0.550	7.87	0.001	0.015	4<	5.0<
	900524		8.300	0.370	8.02	0.012	0.028	4<	9.9
	900620 0945		7.700	0.440	7.96	0.024	0.036	4<	5.0<
	900718 0950		6.300	0.680	7.86	0.016	0.030	20	7.8
	900822 0950		5.500	0.540	7.90	0.014	0.027	4<	5.0<
	900919 0950		5.300	0.540	7.60	0.191	0.215	4<	16.1
	901017 0940		9.300	0.630	7.60	0.008	0.016	4<	4.2
	901120 0935		7.200	0.530	7.84			4<	11.7

(CONT'D)

1990 WATER QUALITY DATA REGION 1

103

B.O.W./ SITE: FOLDENS CREEK
 SAMPLE POINT: AT CONC. RD. NO. 3 WEST OXFORD TWP.
 STATION TYPE: RIVER

STATION ID: 04-0013-069-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TRIBUTARY: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 43 02 36.72 LONG: 080 49 10.30

U T M: 17 0514700.0 4765450.0 4

REGION: 01

DISTANCE: 250.085

* = INTERIM TEST-NAME:

NH03UR

NITKUR

PH

PH

PP04UR

P04

PSAMF

RSP

SAMPLE
 DATE
 YYMMDD

HOUR
 LMT

SAMPLE
 NUMBER

NH03-N
 UNF. REAC
 MG/L
 AS N

K'DAHL N
 TOTAL
 UNF. REAC
 MG/L
 AS N

PH

UNF. REAC
 MG/L
 AS P

PHOSPHOR
 UNF. TOT.
 MG/L
 AS P

PSEUDOMN
 AERUG.
 MF
 CNT
 /100HL

RESIDUE
 PARTIC.
 MG/L

MAXIMUM

9.300

1.400

8.02

0.191

0.215

20

19.6

ARITH MEAN

7.400

0.658

7.80

0.041

0.064

18

11.5

GEOM MEAN

7.305

0.624

7.80

0.017

0.042

16

4.2

MINIMUM

5.500

0.440

7.51

0.001

0.015

2

6

STD DEV (GEOM #)

1.230

0.272

0.16

0.059

10

81

40

SAMP IN STATISTICS

10

10

10

10

10

2

6

40

40

1990 WATER QUALITY DATA REGION 1

105

B.O.N./ SITE: CEDER CREEK
 SAMPLE POINT: AT EAST OXFORD TWP.RD.NO.5
 STATION TYPE: RIVER

STATION ID: 04-0013-072-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

DISTANCE: 257.256

REGION: 01

U T M: 17 0521600.0 4768350.0 4

LAT: 43 04 10.14 LONG: 080 44 04.94

*=INTERIM TEST-NAME:

NH03UR

NHTKUR

PH

PH

PPO4UR

PPUT

PSAMF

RSP

SAMPLE

DATE

YYMMDD

HOUR

LINT

NUMBER

UNF-REAC

MG/L

AS N

UNF-REAC

MG/L

AS P

DO4

PHOSPHOR

UNF.TOT.

MG/L

AS P

PSEUDOWN

AERUG.

HF

CNT

/100HL

RESIDUE

PARTIC.

MG/L

MAXIMUM

11.200

ARITH MEAN

7.770

GEOM MEAN

7.339

MINIMUM

3.300

STD DEV (GEOM %)

2.508

SAMP IN STATISTICS

10

% SAMP (EXCLUDED)

10

8.25

7.97

7.97

7.62

0.18

10

0.105

0.052

0.031

0.001

0.037

10

0.315

0.106

0.083

0.028

0.084

10

44

20

4

4

4

63

78.9

25.7

5.2

9

10

STATION ID: 04-0013-073-02
STOREY CODE

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STORET CODE: 02 003 2870

LAT: 42 43 04.71 LONG: 081 40 11.50 U T M: 17 0445150.0 4729500.0 4 REGION: 01 DISTANCE: 116.192

TEST-NAME:										TEST-NAME:																																												
FWSADP					FPROJ					ALKT					BOD5					CLIDUR					COND25					CUUT					DO					FCHMF					FSMF									
SAMPLE					PROJECT					ALK					5 DAY					CHLORIDE					CONDUCT.					COPPER					DISOLVED					COLIFORM					FECAL									
DEPTH					SUB-PROJ					TOTAL					TOT. DEM.					UNF. REAC					AT 25 C					UNF. TOT.					OXYGEN					STREPTOC					STREPTOC									
M					CODE					AS CACO3					HG/L					MG/L					AT 25 C					AS CU					AS O					/100HL					/100HL									
0.30					0103					187.0					0.49					66.800					832.0					0.0031					14.5					400					700AID									
0.30					0103					175.0					1.68					55.800					709.0					0.0033					12.5					280					400									
0.30					0103					178.0					0.90					50.900					727.0					0.0028					15.5					10					10<									
0.30					0101					205.0					2.16					48.800					719.0					0.0033					14.5					260					30AID									
0.30					0103					238.0					1.27					58.100					930.0					0.0060					8.0					1330					400									
0.30					0103					87.0					7.08					51.200					451.0					0.0150					7.0					45000					60000									
0.30					0103					305.0					1.96					56.300					896.0					0.0060					0.6					240					400									
0.30					0103					238.0					4.32					51.100					808.0					0.0050					6.0					2800					400									
0.30					0103					286.0					0.40					44.800					815.0					0.0030					11.5					380					460									
0.30					MAXIMUM					305.0					7.08					66.800					930.0					0.0150					15.5					45000					60000									
0.30					ARITH MEAN					211.0					2.25					53.756					765.2					0.0053					11.1					6306					782.9									
0.30					GEOM MEAN					200.1					1.54					53.432					751.3					0.0045					10.6																			
0.30					MINIMUM					87.0					0.40					44.800					451.0					0.0028					6.0					0.6					30									
9					# STD DEV (GEOM %)					65.5					2.16					6.365					140.8					0.0039					3.5																			
9					# SAMP IN STATISTICS					9					9					9					9					9					8					8														
9					% SAMP (EXCLUDED)					9					9					9					9					9					11					11														
TEST-NAME:										TEST-NAME:																																												
FWSSTRC					FWTEMP					NNHTUR					NN02UR					NN03UR					NNTKUR					PBUT					PH					PP04UR					PPUT									
STREAM					WATER					TOTAL					N02-N					N03-N					K'DAHL N					LEAD					P04					PHOSPHOR														
COND.					TEMP					UNF. REAC					UNF. REAC					UNF. REAC					UNF. REAC					UNF. TOT.					UNF. REAC					UNF. TOT.														
COND.					DEG.C					AS N					AS N					AS N					AS N					AS PB					AS P					AS P														
6					1.0					0.106					0.050					13.900					0.860					0.005<N					8.02					0.078					0.113									
39711					0750					39726					0745					39726					0745					39726					0745					39726					0745					39726				
6					3.0					0.001<					0.030					9.400					0.670					0.005<N					7.96					0.120					0.166									
6					12.0					0.001<					0.240					9.500					1.100					0.011<T					7.83					0.010					0.037									
39757					0900					39757					0805					39757					0805					39757					0805					39757					0805					39757				
6					17.0					0.009					0.230					30.700					1.400					0.005<N					8.19					0.097					0.116									
39818					0800					39818					0800					39818					0800					39818					0800					39818					0800					39818				
6					12.0					0.041					0.500					3.700					3.220					0.012<T					7.50					0.044					2.300									
39834					1020					39834					1020					39834					1020					39834					1020					39834					1020					39834				
6					0.0049					0.050					8.100					0.860					0.005<N					7.98					0.072					0.138					0.324									
39850					0800					39850					0800					39850					0800					39850					0800					39850					0800					39850				
6					0.046					0.060					6.100					1.080					0.005<N					8.14					0.054					0.144														
39865					0820					39865					0820					39865					0820					39865					0820					39865					0820					39865				
MAXIMUM					21.0					0.641					0.500					30.700					3.220					0.012					8.24					0.120					2.300									
ARITH MEAN					8.8					0.146					0.168					11.133					1.478					0.006<A					8.00					0.066					0.397									
GEOM MEAN					5.4					0.110					0.110					1.257					0.005<A					8.00					0.056					0.187														
MINIMUM					1.0					0.001					0.030					3.700					0.670					0.005					7.50					0.037					0.010									
STD DEV (GEOM %)					7.3					0.192					7.975					0.997					0.003<A					0.23					0.032					0.718														
# SAMP IN STATISTICS					9					9					9					9					9					9					9					9					9									
% SAMP (EXCLUDED)					22																																																	

(C O N T D)

B.O.W./ SITE: NEWBIGGIN CREEK
 SAMPLE POINT: AT MOSA-EKFRID TWP, LINE SOUTH OF HWY.2
 STATION TYPE: RIVER

STATION ID: 04-0013-073-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STOREY CODE: 02
 003
 2870

DISTANCE: 116.192

REGION: 01

U T M: 17 0445150.0 4729500.0 4

LAT: 42 43 04.71 LONG: 081 40 11.50

*INTERIM TEST-NAME:		PSAMF	RSP	TURB	ZNUT	ZINC
		PSEUDOMN				UNF.TOT.
		AERUG.				MG/L
SAMPLE	DATE HOUR	MF	RESIDUE	TURB'ITY		AS ZN
YYMMDD LMT	NUMBER	CNT	PARTIC.	FTU		
		/100HL	MG/L			
900123 0750	39711	12	25.7			0.0041
900228 0745	39726	8	13.9			0.0037
900327 1230	39741	4<	21.8			0.0034
900423 0900	39757	4<	45.6	35.00		0.0024
900626 0805	39787	32	77.2			0.0070
900828 0800	39818	560	385.0			0.0610
900925 1020	39834	4<	61.5			0.0040
901023 0800	39850	20AID				0.0180
901127 0820	39865	4<	102.0			0.0230
MAXIMUM		560	385.0	35.00		0.0610
ARITH MEAN		126	91.6	35.00		0.0141
GEOM MEAN			53.4			0.0076
MINIMUM		8	13.9	35.00		0.0024
STD DEV (GEOM #)		5	122.3			0.0191
# SAMP IN STATISTICS		5		1		9
% SAMP (EXCLUDED)		44				

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT MIDDLESEX CO. ROAD NO.45
 STATION TYPE: RIVER

STATION ID: 04-0013-075-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TRIBUTARY: THAMES RIVER

STORET CODE: 02

003
2870

LAT: 42 41 56.74 LONG: 081 39 52.09 U T M: 17 0445575.0 4727400.0 4 REGION: 01 DISTANCE: 112.455

*INTERIM TEST-NAME:		FWSADP	FGPROJ	CLIDUR	COND25	FCMF	FECAL	FSMF	FMSTRC	FWTEMP	MMHUR	NN02UR
											NH3-N	
SAMPLE DATE	YVHHDD LMT	SAMPLE NUMBER	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	CONDUCT. 25C	COLIFORM	FECAL	STREPCUS	STREAM COND.	WATER TEMP	UNF.REAC	NH3-N
					UMHQ/CH AT 25 C	CHT	CHT	HF		DEG.C	MG/L	AS N
						/100HL	/100HL	/100HL			AS N	AS N
900123	0730	39710	0.30	0101	563.0	280	360	6	6	1.0	0.182	0.070
900228	0730	39725	0.30	0101	528.0	840	560	6	6	1.0	0.237	0.060
900327	1200	39740	0.30	0101	601.0	40AID	110	6	6	4.0	0.068	0.050
900423	0830	39756	0.30	0101	46.800	639.0	10<	10AID	6	14.0	0.003	0.090
900529	0715	39771	0.30	0101	46.400	693.0	32	16	6	19.0	0.017	0.080
900626	0740	39786	0.30	0101	50.800	730	220	6	6	19.0	0.038	0.100
900724	0750	39801	0.30	0101		100<	200AID	6	6	22.0		
900828	0745	39817	0.30	0101	645.0	240	420	6	6	24.0	0.015	0.020
900925	1005	39833	0.30	0101	704.0	260	280	6	6	14.0	0.016	0.060
901023	0730	39849	0.30	0101	694.0	220	150	6	6	11.0	0.002	0.060
901127	0800	39864	0.30	0101	699.0	410	380	6	6	6.0	0.027	0.070
MAXIMUM												
ARITH MEAN												
GEOM MEAN												
MINIMUM												
STD DEV (GEOM %)												
# SAMP IN STATISTICS												
% SAMP (EXCLUDED)												
*INTERIM TEST-NAME:		NN03UR	NNTKUR	PH	PP04UR	PPUT	PSAMF	RSP	TURB			
			K'DAHL N				PSEUDOMN					
		UNF.REAC	UNF.REAC	PHOSPHOR	UNF.REAC	UNF.TOT.	AERUG.	RESIDUE	TURB'ITY			
		MG/L	MG/L	MG/L	MG/L	MG/L	HF	PARTIC.	FTU			
		AS N	AS N	AS P	AS P	AS P	CHT	MG/L				
							/100HL					
900123	0730	39710	10.900	7.89	0.088	0.170	8	40.1				
900228	0730	39725	7.600	7.94	0.080	0.156	24	38.3				
900327	1200	39740	8.400	8.08	0.041	0.099	4<	41.4				
900423	0830	39756	6.900	8.08	0.014	0.067	4<	34.9				
900529	0715	39771	7.900	8.11	0.031	0.150	4<	70.2	21.00			
900626	0740	39786	6.000	8.18	0.091	0.246	16	129.0				
900724	0750	39801					4<					
900828	0745	39817	4.200	8.29	0.044		4<	88.7				
900925	1005	39833	5.800	8.28	0.039	0.128	4	81.1				
901023	0730	39849	7.500	8.20	0.076	0.152	4<					
901127	0800	39864	6.300	8.26	0.022	0.098	20	29.7				

(C O N T D)

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: AT MIDDLESEX CO. ROAD NO. 45
 STATION TYPE: RIVER

STATION ID: 04-0013-075-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 42 41 56.74 LONG: 081 39 52.09 U T M: 17 0645575.0 4727400.0 4 REGION: 01 DISTANCE: 112.455

*=INTERIM	TEST-NAME:	NO3UR	NH4UR	PH	PO4UR	PPO4UR	PHOSPHOR UNF.TOT.	PSAMF PSEUDOH AERUG.	RSP	TURB
SAMPLE	DATE	NO3-N	K'DAHL N	PH	PO4	UNF.REAC	MG/L	AS P	RESIDUE PARTIC.	TURB'ITY FTU
Y'HHDD	LHT	UNF.REAC	MG/L	AS N	MG/L	AS P	MG/L	AS P	MG/L	
		AS N	AS N							
		MAXIMUM	10.900	8.29	0.091	0.246	24	129.0	21.00	
		ARITH MEAN	7.150	8.13	0.053	0.141	14	61.5	21.00	
		GEOM MEAN	6.947	8.13	0.045	0.132		54.6		
		MINIMUM	4.200	7.89	0.014	0.067	4	29.7	21.00	
		STD DEV (GEOM #)	1.800	0.14	0.029	0.052	5	33.3		
#	SAMP IN STATISTICS	10	10	10	10	9	5	9	1	
%	SAMP (EXCLUDED)						54			

B.O.W./ SITE: THAMES RIVER
SAMPLE POINT: OXFORD CO.RD. 4, INNERKIP
STATION TYPE: RIVER FLOW GAUGE FED 02D021

STATION ID: 04-0013-080-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: THAMES RIVER

STOET CODE: 02
003
2870

LAT: 43 12 56.54 LONG: 080 41 27.53

UTM: 17 0525100.0 4784600.0 4

REGION: 01

DISTANCE: 273.733

SAMPLE DATE	HOUR	TEST-NAME:	FMSADP	FGPROJ	CLIDUR	COND25	FCNF FECAL COLIFORM CF /100HL	FSMF FECAL STREPTOC CF /100HL	FMSTRC	FWTEHP	NNHTR NH3-N TOTAL UNF.-REAC MG/L AS N	NNO2UR NO2-N UNF.-REAC MG/L AS N
9000117	0840	39312	0.30	0101	58.600	863.0	1500>	1500>	4	0.5	0.639	0.050
9000221	0845	39337	0.30	0101					4	1.0		
9000320	0850	39362	0.30	0101	42.200	733.0	132	76	6	5.0	0.124	0.110
9000418	0850	39387	0.30	0101	51.100	770.0	108	44	6	8.0	0.029	0.070
9000524		39412	0.30	0101	38.400	796.0	224	108			0.022	0.060
9000620	0850	39437	0.30	0101	41.000	951.0	260	252	6	15.0	0.035	0.040
9000718	0855	39462	0.30	0101	42.200	775.0	400	330	6	21.0	0.012	0.050
9000822	0850	39487	0.30	0101	46.100	856.0	640	300	6	17.0	0.026	0.070
9000919	0855	39512	0.30	0101	46.200	905.0	200	150	6	13.0	0.011	0.020
9001017	0850	39537	0.30	0101	37.900	896.0	160	230	6	10.5	0.040	0.040
9001120	0850	39562	0.30	0101	36.900	888.0	150	110	6	4.0	0.003	0.040
		MAXIMUM	0.30		58.600	951.0	640	330		21.0	0.639	0.110
		ARITH MEAN	0.30		44.060	843.3	253	178		9.5	0.100	0.055
		GEOM MEAN			43.632	840.6				6.0	0.030	0.050
		MINIMUM	0.30		36.900	733.0	108	44		0.5	0.003	0.020
		STD DEV (GEOM %)			6.727	70.8				7.0	0.205	0.025
		# SAMP IN STATISTICS	11		10	10	9	9		10	9	10
		% SAMP (EXCLUDED)					10	10				

(C O N T D)

1990 WATER QUALITY DATA REGION 1

111

B.O.W./ SITE: THAMES RIVER
 SAMPLE POINT: OXFORD CO. RD. 4, INNERKIP
 STATION TYPE: RIVER FLOW GAUGE FED 02D021

STATION ID: 06-0013-080-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: THAMES RIVER

STORET CODE: 02
 003
 2870

LAT: 43 12 56.54 LONG: 080 41 27.53

U T M: 17 0525100.0 4784600.0 4

REGION: 01 DISTANCE: 273.733

W=INTERIM TEST-NAME:

NH03UR

NNTKUR

PH

PH

PPO4UR

PPUT

PSAMF

RSP

SAMPLE
 DATE
 YYMMDD LMT

SAMPLE
 NUMBER

NO3-N
 UNF.REAC
 MG/L

NO3-N
 UNF.REAC
 MG/L

AS N

AS N

P04
 UNF.REAC
 MG/L

PHOSPHOR
 UNF.TOT.
 MG/L

PSAMF
 PSEUDONN
 AERUG.

RESIDUE

PARTIC.

MG/L

CNT

/100HL

AS P

AS P

AS P

AS P

AS P

AS P

AS P

AS P

AS P

AS P

AS P

AS P

MAXIMUM

13.300

1.620

8.23

8.23

0.096

0.160

16

46.3

17.4

8

4

5.0

9

70

10

10

10

10

10

10

10

10

10

10

ARITH MEAN

7.980

0.862

8.08

8.08

0.035

0.052

8

16

17.4

8

4

5.0

9

70

10

10

10

10

10

10

10

10

10

10

GEOM MEAN

7.089

0.825

8.08

8.08

0.035

0.052

8

16

17.4

8

4

5.0

9

70

10

10

10

10

10

10

10

10

10

10

MINIMUM

2.200

0.570

7.78

7.78

0.003

0.026

4

5.0

9

70

10

10

10

10

10

10

10

10

10

10

STD DEV (GEOM %)

3.582

0.302

0.14

0.14

8

10

3

9

70

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

SAMP IN STATISTICS

10

10

9

9

8

20

20

16

17.4

8

4

5.0

9

70

10

10

10

10

10

10

10

10

10

10

% SAMP (EXCLUDED)

10

10

9

9

8

20

20

16

17.4

8

4

5.0

9

70

10

10

10

10

10

10

10

10

10

10

1990 WATER QUALITY DATA REGION 1

113

B.O.W./ SITE: SYDENHAM RIVER
 SAMPLE POINT: AT HIGHWAY 40 WALLACEBURG
 STATION TYPE: RIVER COMPOSITE

STATION ID: 06-0027-001-83

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: SYDENHAM RIVER

STORET CODE: 02

003

2980

LAT: 42 35 31.11 LONG: 082 23 16.43

REGION: 01 DISTANCE: 4,506

SAMPLE DATE YYMMDD	HOUR LMT	*INTERIM TEST-NAME:	COND25 25C UNH0/CH	CHROMIUM UNF, TOT. MG/L AS CR	CUUT COPPER UNF, TOT. UG/L AS CU	CUUT COPPER UNF, TOT. MG/L AS CU	DO DISSOLVED OXYGEN MG/L AS O	FCMF FECAL COLIFORM CNT /100ML	FEUT IRON UNF, TOT. MG/L AS FE	FSMF FECAL STREPCUS CNT /100ML	FWSTRC	FWTEMP
900103	1012		326.0	0.0026	0.0032	13.0	10<	70AID	0.260	70AID	4	0.1
900206	0859		40111	0.0040	0.0064	12.0	40AID	1.500	1.500	100	4	1.0
900305	0845		40121	0.0034	0.0050	13.0	170	1.700	1.700	120	3	1.0
900314	0830		42600	369.0	0.0085							
900320			42601	522.0	0.0040							
900404	0815		40131	675.0	0.0026<T	15.0			0.650		3	0.7
900405	1230		42602	680.0	0.0035							
900411	1230		42603	604.0	0.0046							
900418	1330		42604	577.0	0.0033							
900502	1230		42605	606.0	0.0023<T							
900510	1130		40144	558.0	0.0010<T	13.0	10<	10AID	0.360	10AID	6	15.0
900605	0828		40151	525.0	0.0042		50AID	20AID	0.640	20AID	6	18.0
900606	1230		42607	524.0	0.0030							
900704	0815		40161	519.0	0.0010<T	9.0	12	20AID	0.440	20AID	6	23.0
	1230		42608	473.0	0.0040							
900719	1230		42609	348.0	0.0010<T							
900806	0820		40171	321.0	1.90<T	10.0			0.420	24	6	22.0
900823	0730		42610	387.0								
900905	1207		40181	526.0	0.0030	10.0	50AID	1.370	1.370	32	6	23.0
900911	0830		42611	429.0	0.0030							
901003	1300		42612	343.0	0.0030							
901004	1118		40191	342.0		6.0	540	80AID		80AID	6	17.0
901017	0900		42613	540.0	0.0060							
901031	1245		42614	318.0	0.0030							
901106	0830		40201	692.0	0.0110	14.0	4300	6.200	6.200	4900	3	2.0
901204	0830		40211	634.0	0.0080	7.0	220	6.800	6.800	760	3	0.3
			MAXIMUM	692.0	0.0080	1.90	0.0110	4300	6.800	4900		23.0
			ARITH MEAN	502.0	0.003 <A	1.90<A	0.0042<A	606	1.849	558		10.3
			GEOM MEAN	487.1	0.002 <A		0.0037<A		1.005	79		3.4
			MINIMUM	318.0	0.0010	1.90	0.0010	12	0.260	10		0.1
			STD DEV (GEOM *)	120.5	0.003 <A		0.0023<A	6*	2.356	6*		10.1
			# SAMP IN STATISTICS	27	11	1	25	9	11	11		12
			% SAMP (EXCLUDED)					10				

(C O N T I D)

B.O.W./ SITE: SYDENHAM RIVER
 SAMPLE POINT: AT HIGHWAY 40 WALLACEBURG
 STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0027-001-83

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: SYDENHAM RIVER

STORET CODE: 02

003

2980

DISTANCE: 4,506

LAT: 42 35 31.11 LONG: 082 23 16.43

U T M: 17 0386125.0 4716225.0 4

REGION: 01

SAMPLE DATE	HOUR	YMHDD LHT	TEST-NAME:	HGUT	NIUT	NH3-N TOTAL	NH4-N UNF. REAC	NH4-N MG/L	NH4-N AS N	NO2+NO3N FIL. REAC	NO2-N MG/L	NO2-N AS N	NO2-N UNF. REAC	NO2-N MG/L	NO2-N AS N	NO3-N UNF. REAC	NO3-N MG/L	NO3-N AS N	NNTKUR K'DAHL N	PBT	PH
900103	1012																				
900206	0859																				
900305	0845																				
900314	0830																				
900320																					
900404	0815																				
900405	1230																				
900411	1230																				
900418	1330																				
900502	1230																				
900507	1045																				
900510	1130																				
900605	0828																				
900606	1230																				
900704	0815																				
900719	1230																				
900806	0820																				
900823	0730																				
900905	1207																				
900911	0830																				
901003	1300																				
901004	1118																				
901017	0900																				
901031	1245																				
901106	0830																				
901204	0830																				
MAXIMUM																					
ARITH MEAN				0.06				0.130				0.146				0.150				12	
GEOM MEAN				0.03<A				0.017<A				0.069				0.0579				12	
MINIMUM				0.02<A				0.006<A				0.050				0.0495				12	
STD DEV (GEOM %)				0.02				0.002				0.009				0.0160				12	
# SAMP IN STATISTICS				25				11				0.038<A				0.0360				12	
% SAMP (EXCLUDED)																				26	
																				27	

(CONT'D)

B.O.W./ SITE: SYDENHAM RIVER
SAMPLE POINT: AT HIGHWAY 40 WALLACEBURG
STATION TYPE: RIVER COMPOSITE

STATION ID: 04-0027-001-83

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: SYDENHAM RIVER

STORET CODE: 02
003
2980

LAT: 42 35 31.11 LONG: 082 23 16.43

DISTANCE: 4.506

[illegible]

1990 WATER QUALITY DATA REGION 1

116

B.O.W./ SITE: BEAR CREEK
 SAMPLE POINT: AT FIRST CONCESSION WEST OF PETROLIA
 STATION TYPE: RIVER

STATION ID: 04-0027-004-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: SYDENHAM RIVER

STORET CODE: 02

003
2980

LAT: 42 51 50.05 LONG: 082 10 09.66

DISTANCE: 62.441

REGION: 01

U T M: 17 0404475.0 4746150.0 4

**=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CLIDUR	COND25	CUUT	D0	FCNF	FSMF
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	ALK TOTAL	5 DAY TOT-DEM.	CHLORIDE UNF. REAC	CONDUCT.	COPPER UNF. TOT.	DISSOLVED OXYGEN	FECAL COLIFORM	FECAL STREPTOC
YYMMDD	LHT		M		MG/L	MG/L	AS CL	UMHO/CH	MG/L	AS O	/100ML	HF CNT /100ML
900103	1130	40104	0.30	0101	249.0	3.29	262.000	1500.0	0.0036	11.1	2300	170
900206	1016	40114	0.30	0101	209.0	2.56	86.000	862.0	0.0036	12.0	80AID	20AID
900305	1010	40124	0.30	0101	143.0	1.18	41.800	579.0	0.0035	13.0	310	350
900404	0921	40134	0.30	0101	188.0	1.96	56.600	711.0	0.0029<T	12.0		
900507	1204	40147	0.30	0101	206.0	3.06	86.400	841.0	0.0020<T	3.0	130	70AID
900605	0938	40154	0.30	0101	209.0	1.80	197.000	1107.0	0.0050	12.0	28	10AID
900704	0939	40164	0.30	0101	236.0	2.06	37.400	732.0	0.0070	8.0		
900806	0953	40174	0.30	0101	188.0	6.86	235.000	1178.0	0.0054	10.0		
900905	1337	40184	0.30	0101	182.0	2.36	74.800	705.0	0.0040	9.0	220	230
901106	1036	40204	0.30	0101	141.0		32.000	508.0	0.0140	14.0	2000	13000
901204	1035	40214	0.30	0101	186.0		44.100	611.0	0.0060	7.0	1200	2100
		MAXIMUM	0.30		249.0	6.86	262.000	1500.0	0.0140	14.0	2300	13000
		ARITH MEAN	0.30		194.3	2.79	104.827	848.5	0.0052<A	10.1	784	1791
		GEOM MEAN	0.30		191.6	2.48	79.853	806.2	0.0045<A	9.4	320	212
		MINIMUM	0.30		141.0	1.18	32.000	508.0	0.0020	3.0	28	10
		STD DEV (GEOM %)	11		33.3	1.66	84.603	299.7	0.0033<A	3.2	5*	9*
		# SAMP IN STATISTICS	11		11	9	11	11	11	11	8	9
		% SAMP (EXCLUDED)										
**=INTERIM		TEST-NAME:	FWSTRC	FWTEMP	NNHTUR	NN02UR	NN03UR	NNTKUR	PBUT	PH	PHNOL	PP04UR
SAMPLE DATE	HOUR	SAMPLE NUMBER	STREAM COND.	WATER TEMP	NH3-N TOTAL	NO2-N UNF. REAC	NO3-N UNF. REAC	K'DAHL N TOTAL	LEAD UNF. TOT.		PHENOLS UNF-REAC	P04 UNF-REAC
YYMMDD	LHT			DEG.C	MG/L	AS N	MG/L	AS N	MG/L		UG/L	MG/L
900103	1130	40104	4	0.1	0.071	0.260	6.100	1.000	0.005 <W	7.69	2.500	0.044
900206	1016	40114	4	1.0	0.063	0.040	7.800	0.790	0.005 <W	7.93	1.000	0.044
900305	1010	40124	3	1.0	0.171	0.050	7.100	0.970	0.005 <W	7.79	3.500	0.081
900404	0921	40134	3	0.7	0.010	0.070	6.500	0.840	0.0018	8.10	2.000	0.038
900507	1204	40147	6	15.0	0.051	0.110	7.000	1.320	0.005 <W	8.18	1.000	0.034
900605	0938	40154	6	18.0	0.049	0.110	6.600	1.000	0.005 <W	7.95	1.000	0.042
900704	0939	40164	5	29.0	0.006	0.120	10.200	1.360	0.005 <W	8.03	1.000	0.032
900806	0953	40174	6	23.0	0.035	0.110	4.400	1.200	0.010	7.74	1.000<	0.130
900905	1337	40184	6	22.0	0.019	0.130	1.300	1.300	0.008 <T	7.86	2.000	0.156
901106	1036	40204	3	2.0	0.052	0.100	3.300	1.750	0.015 <T	7.58	11.000	0.330
901204	1035	40214	3	0.3	0.021	0.150	3.000	1.220	0.006 <T	8.02	1.000	0.073

(C O N T D)

1990 WATER QUALITY DATA REGION 1

118

B.O.W./ SITE: SYDENHAM RIVER
 SAMPLE POINT: AT DOWN MILLS ROAD UPSTREAM OF DRESDEN
 STATION TYPE: RIVER FLOW GAUGE FED 02GG007

STATION ID: 04-0027-006-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: SYDENHAM RIVER

STORET CODE: 02
 003
 2980

LAT: 42 35 21.07 LONG: 082 07 46.08 U T M: 17 0407325.0 4715600.0 4 REGION: 01 DISTANCE: 22.530

*=INTERIM	TEST-NAME:	FMSADP	F6PROJ	ALKT	ALK TOTAL MG/L	CHLORIDE UNF-REAC MG/L	CLIDUR	COND25	CUUT	DISOLVED OXYGEN MG/L	DO	FCMF COLIFORM MF	FCMF FECAL STREPCUS MF	FWSTRC
SAMPLE DATE YYMMDD LHT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	AS CAC03	AS CAC03	AS CL	AT 25 C	UNHDD/CH	COPPER UNF.TOT. MG/L	AS CU	AS O	CNT /100ML	CNT /100ML	STREAM COND.
900103 0940	40100	0.30	0101	259.0	180.0	40.900	774	653.0	0.0029	13.0	110	110	110	4
900206 0745	40110	0.30	0101	180.0	147.0	41.500	653.0	0.0039	12.0	100	60AID	4	4	4
900305 0730	40120	0.30	0101	147.0	201.0	31.900	694.0	0.0040	13.0	170	50AID	3	3	3
900404 0740	40130	0.30	0101	201.0	202.0	37.600	694.0	0.0024<T	11.5	20AID	20AID	6	6	6
900507 0958	40143	0.30	0101	202.0	201.0	29.900	631.0	0.0010<T	12.0	20AID	20AID	6	6	6
900605 0725	40150	0.30	0101	201.0	137.0	34.900	663.0	0.0040	12.0	20AID	20AID	6	6	6
900704 0730	40160	0.30	0101	137.0	179.0	32.000	517.0	0.0040	10.0	600>	600>	6	6	6
900806 1440	40170	0.30	0101	179.0	211.0	29.700	530.0	0.0018<T	10.0	40AID	40AID	6	6	6
900905 1128	40180	0.30	0101	211.0	230.0	33.300	615.0	0.0050	6.0	360	2900	6	6	6
901004 1038	40190	0.30	0101	230.0	239.0	31.400	683.0	0.0100	14.0	2000	7900	3	3	3
901106 0800	40200	0.30	0101	175.0	239.0	37.900	557.0	0.0100	7.0	200	350	3	3	3
901204 0730	40210	0.30	0101	239.0	259.0	36.300	708.0	0.0030	14.0	2000	7900	3	3	3

MAXIMUM
 ARITH MEAN
 GEOM MEAN
 MINIMUM
 STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

12

*=INTERIM	TEST-NAME:	FWTEMP	NNHTUR NH3-N TOTAL MG/L	NN02UR NO2-N UNF-REAC MG/L	NN03UR NO3-N UNF-REAC MG/L	NNTKUR K'DAHL N UNF-REAC MG/L	PBUT LEAD UNF.TOT. UG/L	PBUT LEAD UNF.TOT. MG/L	PH	PHENOL UNF-REAC UG/L	PHENOLS UNF-REAC UG/L	PP04UR P04 UNF-REAC MG/L
SAMPLE DATE YYMMDD LHT	SAMPLE NUMBER	WATER TEMP DEG.C	AS N	AS N	AS N	AS N	AS PB	AS PB	PH	PHENOL	PHENOLS	AS P
900103 0940	40100	1.0	0.153	0.060	5.200	1.900	0.0050<W	0.0050<W	7.64	1.000	1.000	0.023
900206 0745	40110	1.0	0.068	0.050	8.500	1.850	0.0050<W	0.0050<W	7.90	1.000	1.000	0.033
900305 0730	40120	1.0	0.095	0.050	8.800	1.130	0.0050<W	0.0050<W	7.78	1.000	1.000	0.055
900404 0740	40130	0.7	0.013	0.070	8.100	0.710	0.0011	0.0011	8.17	1.000<	1.000<	0.015
900507 0958	40143	14.0	0.041	0.020	6.100	0.810	0.005 <W	0.005 <W	8.28	1.000<	1.000<	0.006
900605 0725	40150	18.0	0.136	0.100	8.400	0.970	0.005 <W	0.005 <W	8.10	1.000	1.000	0.018
900704 0730	40160	23.0	0.079	0.100	7.100	0.850	0.005 <W	0.005 <W	8.09	1.000<	1.000<	0.016
900806 1440	40170	22.0	0.060	0.230	1.100	0.930	0.005 <W	0.005 <W	7.74	1.000<	1.000<	0.025
900905 1128	40180	23.0	0.006	0.010	5.400	0.780	0.005 <W	0.005 <W	8.14	1.500	1.500	0.025
901004 1038	40190	15.0	0.030	0.120	5.900	2.050	0.010 <T	0.010 <T	7.46	4.000	4.000	0.144
901106 0800	40200	2.0	0.023	0.050	7.000	1.300	0.005 <W	0.005 <W	8.15	1.000<	1.000<	0.049
901204 0730	40210	0.3										

(C O N T D)

B.O.W. / SITE: SYDENHAM RIVER

STATION ID: 04-0027-006-02

STORET CODE: 02
003
298

DISTANCE: 22.530

PP04UR

IF. REAC
MG/L
AS P

13.000	0.144
3.214	0.037
	0.027
1.000	0.006
	0.038
7	11
41	

[illegible][illegible]

B.O.W./ SITE: SYDENHAM RIVER
SAMPLE POINT: 1ST CONC SOUTH OF HWY 22 STRATHROY
STATION TYPE: RIVER FLOW GAUGE FED 02GG005

STATION ID: 04-0027-007-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: SYDENHAM RIVER

STORET CODE: 02
003
2980

LAT: 42 55 52.27

U T M: 17 0445450.0 4753175.0 4

REGION: 01

DISTANCE: 130,675

#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:									
SAMPLE		DATE		HOUR		SAMPLE		FWSTRC		FWTEMP		NNHUTR		NH2O2UR		NH3O3UR		K'DAHLN		PBTUT		PH		PHENOLS		PHENOL			
DATE	TIME	HH	MM	SS	YY	MM	DD	LT	COND.	WATER	TEMP	UNF.	REAC	MG/L	AS N	UNF.	REAC	MG/L	AS N	UNF.	TOT.	MG/L	AS PB	UNF.	TOT.	MG/L	AS PB		
# STD DEV (GEOM %)										# STD DEV (GEOM %)										# STD DEV (GEOM %)									
# SAMP IN STATISTICS										# SAMP IN STATISTICS										# SAMP IN STATISTICS									
% SAMP (EXCLUDED)										% SAMP (EXCLUDED)										% SAMP (EXCLUDED)									
#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:									
SAMPLE		DATE		HOUR		SAMPLE		PP04UR		PPUT		PSANF		RSF		RSP		TURB		ZNBUT		ZINC		ZNBUT		ZINC			
DATE	TIME	HH	MM	SS	YY	MM	DD	LT	UNF.	REAC	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	
# STD DEV (GEOM %)										# STD DEV (GEOM %)										# STD DEV (GEOM %)									
# SAMP IN STATISTICS										# SAMP IN STATISTICS										# SAMP IN STATISTICS									
% SAMP (EXCLUDED)										% SAMP (EXCLUDED)										% SAMP (EXCLUDED)									
900103	1420	40109	0.051	0.170	0.068	4<	4<	437.0	36.6	0.0200	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A	
900206	1357	40119	0.052	0.168	0.068	4<	4<	439.0	36.6	0.0200	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A	
900305	1304	40129	0.036	0.081	0.036	4<	4<	434.9	5.1	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900404	1301	40139	0.034	0.081	0.034	4<	4<	393.0	29.1	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900507	0820	40140	0.029	0.071	0.029	4<	4<	369.2	56.8	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900605	1300	40159	0.069	0.132	0.069	4<	4<	410.0	20.0	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900704	1315	40169	0.047	0.118	0.047	4<	4<	404.0	26.4	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900806	1307	40179	0.060	0.127	0.060	4<	4<	401.0	24.2	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900905	0910	40189	0.075	0.115	0.075	4<	4<	416.0	21.8	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
901004	0920	40199	0.059	0.120	0.059	4<	4<	446.0	20.8	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
901106	1400	40209	0.270	0.420	0.270	4<	4<	360.0	98.0	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
901204	1345	40219	0.034	0.071	0.034	4<	4<	430.0	226.0	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:									
SAMPLE		DATE		HOUR		SAMPLE		PP04UR		PPUT		PSANF		RSF		RSP		TURB		ZNBUT		ZINC		ZNBUT		ZINC			
DATE	TIME	HH	MM	SS	YY	MM	DD	LT	UNF.	REAC	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	
# STD DEV (GEOM %)										# STD DEV (GEOM %)										# STD DEV (GEOM %)									
# SAMP IN STATISTICS										# SAMP IN STATISTICS										# SAMP IN STATISTICS									
% SAMP (EXCLUDED)										% SAMP (EXCLUDED)										% SAMP (EXCLUDED)									
900103	1420	40109	0.051	0.170	0.068	4<	4<	437.0	36.6	0.0200	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A	
900206	1357	40119	0.052	0.168	0.068	4<	4<	439.0	36.6	0.0200	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A	
900305	1304	40129	0.036	0.081	0.036	4<	4<	434.9	5.1	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900404	1301	40139	0.034	0.081	0.034	4<	4<	393.0	29.1	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900507	0820	40140	0.029	0.071	0.029	4<	4<	369.2	56.8	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900605	1300	40159	0.069	0.132	0.069	4<	4<	410.0	20.0	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900704	1315	40169	0.047	0.118	0.047	4<	4<	404.0	26.4	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900806	1307	40179	0.060	0.127	0.060	4<	4<	401.0	24.2	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900905	0910	40189	0.075	0.115	0.075	4<	4<	416.0	21.8	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
901004	0920	40199	0.059	0.120	0.059	4<	4<	446.0	20.8	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
901106	1400	40209	0.270	0.420	0.270	4<	4<	360.0	98.0	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
901204	1345	40219	0.034	0.071	0.034	4<	4<	430.0	226.0	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:									
SAMPLE		DATE		HOUR		SAMPLE		PP04UR		PPUT		PSANF		RSF		RSP		TURB		ZNBUT		ZINC		ZNBUT		ZINC			
DATE	TIME	HH	MM	SS	YY	MM	DD	LT	UNF.	REAC	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	UNF.	TOT.	MG/L	AS P	
# STD DEV (GEOM %)										# STD DEV (GEOM %)										# STD DEV (GEOM %)									
# SAMP IN STATISTICS										# SAMP IN STATISTICS										# SAMP IN STATISTICS									
% SAMP (EXCLUDED)										% SAMP (EXCLUDED)										% SAMP (EXCLUDED)									
900103	1420	40109	0.051	0.170	0.068	4<	4<	437.0	36.6	0.0200	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A	
900206	1357	40119	0.052	0.168	0.068	4<	4<	439.0	36.6	0.0200	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A	
900305	1304	40129	0.036	0.081	0.036	4<	4<	434.9	5.1	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900404	1301	40139	0.034	0.081	0.034	4<	4<	393.0	29.1	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900507	0820	40140	0.029	0.071	0.029	4<	4<	369.2	56.8	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900605	1300	40159	0.069	0.132	0.069	4<	4<	410.0	20.0	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900704	1315	40169	0.047	0.118	0.047	4<	4<	404.0	26.4	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900806	1307	40179	0.060	0.127	0.060	4<	4<	401.0	24.2	0.0024<T	0.0023<T	0.0050	0.0040	0.0060	0.0061	0.0100	0.0210	0.0060	0.0210	0.0083<A	0.0063<A	0.0023	0.0068<A	0.0023	0.0068<A	0.0023	0.0068<A		
900905	0910	40189	0.075	0.115	0.075	4<	4<	416.0																					

B.O.W./ SITE: BEAR CREEK
SAMPLE POINT: AT TOWNSHIP LINE N-E OF AVONRY STP

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: SYDENHAM RIVER

LAT: 42 45 49.87 LONG: 082 20 30.93 U T M: 17 0390200.0 4735250.0 4 REGION: 01 DISTANCE: 34.278

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CLIDUR	COND25	FCMF	FSCF	FWSTRC	FWTEMP
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SAMPLE	SAMPLE	PROJECT	ALK	5 DAY	CHLORIDE	CONDUCT.	FECAL COLIFORM	FECAL STREPCUS
			TOTAL	TEST	MG/L	UMH/CM		

[illegible]

	NO. OF TUBES	AS C	AS CL	AT 25 C	/100ML	COND.	DEG.C
900103	1043	0.75	0.68	0.68			
900103	1043	0.75	0.68	0.68			
900103	1043	0.75	0.68	0.68			

900206	0918	40112	0.30	0101	214.0	83.600	0.80	1480.0	400	220	4	1.0
900305	0925	40122	0.30	0101	164.0	866.0 <td>1.78 <td>3065.0 <td>30AID</td> <td>10AID</td> <td>4 <td>1.0</td> </td></td></td>	1.78 <td>3065.0 <td>30AID</td> <td>10AID</td> <td>4 <td>1.0</td> </td></td>	3065.0 <td>30AID</td> <td>10AID</td> <td>4 <td>1.0</td> </td>	30AID	10AID	4 <td>1.0</td>	1.0

	0849	40132	0.30	0101	65,200	2.06	750.0	170	3	1.0
900404	0849	40132	0.30	0101	65,200	2.06	750.0	170	3	1.0
900507	1117	40145	0.30	0101	65,200	2.06	750.0	170	3	7.0

	900605	0900	40152	0.30	0101	220.0	2.66	103.000	874.000	240	120	6	14.0
	900704	0900	40162	0.30	0101	194.0	4.14	128.000	926.0	20AID	10<	6	18.0

Account	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374</
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Run	Time	Temp	Pressure	Flow	Volume	Weight	Conc	Yield	Quality
901004	1153	40192	0.30	0101	249.0	44.200	4.52	743.0	22.0
901106	0900	40202	0.30	0101	125.0	25.300		670.0	

901204	0905	40212	0.30	0101	162.0	34,900	556.0	2100	5100	3
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	MAXIMUM	0.30	249.0	4.52	534,000	2050.0	7600	16000
ARITH MEAN	0.30	189.5	2.71	122 717	921 2	1766	2777	23.0

GEOM MEAN	2.44	84.252	846.3
MINIMUM	0.80	26.300	439.0

	STD DEV (GEOM %)		
# SAMP IN STATISTICS	12		
	36.4	1.18	140.193
	12	10	12
			441.1
			12
			9
			9.5
			1.0

	% SAMP (EXCLUDED)	20	20
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RSF	PSAME	PPUT	PHNOL	PP04UR	PH	NNTKUR	NN03UR	NN02UR	NNHTUR	IESI-NAME:	R-INIERIM
DEEJDNW						K'DAHL N			NH3-N		

SAMPLE	TOTAL	N02-N	N03-N	TOTAL	PHENOLS	P04	PHOSPHOR
	UNF . REAC	UNF . REAC	UNF . REAC	UNF . REAC	UNF-REAC	UNF . REAC	AERUG.
						UNF . TOT	ME
.....							DESTROYED

[illegible]

900103	1043	40102	0.236	0.200	6.700	1.320	7.62	2.500	0.116	0.166	4c	800 0
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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397</
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[illegible][illegible]

	0.063	0.200	1.300	7.75	1,000<	0.033	0.235	1211.0
900908	40172	0.050	0.200	1.300	7.75	1,000<	0.033	4<
900905	40182	0.100	0.400	1.760	7.94	2,500	0.104	424.0
901006	40183	—	—	—	—	—	—	—

[illegible]

Wavelength, μ	Intensity, %	Wavelength, μ	Intensity, %
4.700	0.130	1.700	0.185
7.85	0.345	600>	361.0

(CONT'D)

1990 WATER QUALITY DATA REGION 1

123

B.O.W./ SITE: BEAR CREEK
SAMPLE POINT: AT TOWNSHIP LINE N-E OF AVONRY STP
STATION TYPE: RIVER

STATION ID: 04-0027-008-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: SYDENHAM RIVER

STORET CODE: 02
003
2980

LAT: 42 45 49.87 LONG: 082 20 30.93

REGION: 01 DISTANCE: 34.278

*=INTERIM TEST-NAME:

NHHTUR NNO2UR NNO3UR

U T H: 17 0390200.0 4735250.0 4

PP04UR PP04UR

PSAMF PSEUDOMN AERUG. HF CNT /100ML

SAMPLE DATE YYYMMDD

SAMPLE HOUR LHT

SAMPLE NUMBER

PHENOLS UNF-REAC UG/L PHENOL

PHOSPHOR UNF.TOT. MG/L AS P

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM #)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

RESIDUE FILTERED

RESIDUE PARTIC. MG/L

SS04UR UNF-REAC MG/L AS S04

TURBIDITY FTU

RESIDUE FILTERED

40102

17.6

145.000

0.236

40112

30.4

98.000

0.066

40122

38.5

67.500

0.081

40132

65.3

89.000

0.092

40145

129.0

86.000

0.008

40152

127.0

85.000

0.064

40162

179.0

85.500

0.051

40172

145.0

138.000

0.051

40182

232.0

62.500

0.064

40192

140.0

69.000

0.064

40202

204.0

40.500

0.064

40212

140.0

59.5

0.064

MAXIMUM

232.0

145.000

0.066

ARITH MEAN

120.6

85.5

0.066

GEOM MEAN

94.9

80.7

0.066

MINIMUM

17.6

40.500

0.066

STD DEV (GEOM #)

69.3

30.6

0.066

SAMP IN STATISTICS

12

1

0.066

% SAMP (EXCLUDED)

12

27

0.066

212

0.585

0.290

0.585

89

0.240

0.069

0.240

4

0.079

0.033

0.079

3

0.134

0.077

0.134

11

254.8

12

254.8

66

1211.0

1211.0

1211.0

B.O.W./ SITE: BLACK CREEK

SAMPLE POINT: AT COUNTY ROAD 9 WEST OF OIL SPRINGS

STATION TYPE: RIVER FLOW GAUGE MOE 026G101

STATION ID: 04-0027-009-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: SYDENHAM RIVER

STORET CODE: 02

003

2980

LAT: 42 47 15.99

U T M: 17 0404100.0 4737700.0 4

REGION: 01

DISTANCE: 49.406

*=INTERIM	TEST-NAME:	FMSADP	FMPROJ	ALKT	BOD5	CLIDUR	COND25	CUUT	D0	FCNF	FSMF
SAMPLE	DATE	TIME	PROJECT	ALK	5 DAY	CHLORIDE	CONDUCT.	COPPER	DISSOLVED	FECAL	FECAL
YYHHDD	LHT	DEPTH	SUB-PROJ	TOTAL	TOT.DEM.	UNF.REAC	25C	UNF.TOT.	OXYGEN	COLIFORM	STREPTOCUS
		M	CODE	MG/L	MG/L	MG/L	AT 25 C	MG/L	MG/L	CNT	HF
				AS CaCO3	AS O	AS CL		AS CU	AS O	/100HL	/100HL
900103	1056	0.30	0101	291.0	8.53	397.000	1950.0	0.0032	13.0	100AID	200AID
900206	0947	0.30	0101	154.0	5.52	119.000	823.0	0.0160	14.0	20AID	90AID
900305	1000	0.30	0101	100.0	0.90	58.000	559.0	0.0063	14.0	100AID	100<
900404	0900	0.30	0101	113.0	3.16	49.200	594.0	0.0061			
900507	1143	0.30	0101	169.0	0.99	279.000	1430.0	0.0020<T	3.5	1800	100
900605	0917	0.30	0101	157.0	0.98	597.000	2280.0	0.0050	11.0	150	120
900704	0923	0.30	0101	155.0	1.68	311.000	1550.0	0.0130	8.0	110	60AID
900806		0.30	0101	101.0	8.64	692.000	2330.0	0.0091	9.0		140
900905	1042	0.30	0101	118.0	2.16	161.000	915.0	0.0040	8.0	270	40AID
901106	1010	0.30	0101	93.1		32.300	372.0	0.0150	14.0	4800	13000
901204	1000	0.30	0101	85.4		33.800	412.0	0.0050	9.0	1000	4300
		0.30		291.0	8.64	692.000	2330.0	0.0160	14.0	4800	13000
		0.30		139.7	3.62	248.118	1201.4	0.0077<A	10.3	928	2006
		0.30		131.1	2.52	149.753	988.4	0.0064<A	9.7	270	
		0.30		85.4	0.90	32.300	372.0	0.0020	3.5	20	40
		0.30		58.2	3.17	232.014	740.9	0.0049<A	3.5	6*	
		11		11	9	11	11	11	10	9	9
											10
*=INTERIM	TEST-NAME:	FMSSTRC	FWTEMP	NNHTUR	NN02UR	NN03UR	NNTKUR	PBUT	PBUT	PH	PHNOL
SAMPLE	DATE	TIME	WATER	UNF.REAC	UNF.REAC	UNF.REAC	K'DAHL N	LEAD	LEAD		PHENOLS
YYHHDD	LHT	COND.	TEMP	MG/L	MG/L	MG/L	TOTAL	UNF.TOT.	UNF.TOT.		UNF-REAC
			DEG.C	AS N	AS N	AS N	AS N	AS PB	AS PB	PH	US/L
900103	1056	4	0.1	0.613	0.150	1.400	1.800	0.0050<W	0.0050<W	7.28	4.000
900206	0947	4	1.0	0.026	0.060	5.500	2.750	0.0130<T	0.0130<T	7.76	1.000
900305	1000	3	1.0	0.046	0.060	5.300	1.220	0.0033<W	0.0033<W	7.71	1.000
900604	0900	3	0.7	0.018	0.090	6.600	2.000	0.0033	0.0033	7.92	1.500
900507	1143	6	15.0	0.024	0.010	1.300	0.920	0.005<W	0.005<W	8.15	1.500
900605	0917	40153	18.0	0.071	0.040	0.900	0.920	0.006<T	0.006<T	7.98	1.500
900704	0923	40163	24.0	0.047	0.050	7.400	1.320	0.005<W	0.005<W	7.92	1.500
900806		40173	23.0	0.035	0.110	0.200	1.640	4.40		7.59	1.000<
900905	1042	40183	22.0	0.145	0.040	0.100	1.80	0.005<W	0.005<W	7.84	2.000
901106	1010	40203	2.0	0.134	0.120	3.000	1.80	0.010<T	0.010<T	7.30	14.000
901204	1000	40213	0.3	0.046	0.060	2.600	1.600	0.005<W	0.005<W	7.62	1.000<

STD DEV (GEOM %)
SAMP IN STATISTICS
% SAMP (EXCLUDED)

(C O N T I D)

1990 WATER QUALITY DATA REGION 1

130

B.O.W./ SITE: BEAR CREEK
SAMPLE POINT: NEXT BRIDGE UPSTR AT FED GAUGE
STATION TYPE: RIVER

STATION ID: 04-0027-014-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TRN STREAM: SYDENHAM RIVER

STORET CODE: 02
003
2980

LAT: 42 53 13.96 LONG: 083 19 33.86 U T M: 17 0310050.0 4750700.0 4 REGION: 01

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5		CLIDUR	COND25	DO	FCMF		FSMF		FWSTRC	
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL	TOT-DEM	5 DAY	CHLORIDE UNF-REAC	CONDUCT. 25C	DISOLVED OXYGEN	FECAL COLIFORM	FECAL STREPTOCOCCUS	FECAL STREPTOCOCCUS	FECAL STREPTOCOCCUS	FECAL STREPTOCOCCUS	FECAL STREPTOCOCCUS
YYMMDD	LMT	M	CODE	AS CAC03	MG/L	AS O	MG/L	UNH0/CH	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
900103	1208	40105	0101	187.0	3.53	20.000	1263.0	743.0	6.0	220	390	390	390	4	4
900206	1033	40115	0101	215.0	1.20	47.800	740.0	60AID	6.0	220	390	390	390	4	4
900305	1029	40125	0101	180.0	1.13	36.300	625.0	130	6.0	130	120	120	120	3	3
900404	0943	40135	0101	182.0	2.46	39.900	645.0	70AID	6.0	70AID	80AID	80AID	80AID	6	6
900507	1237	40148	0101	206.0	3.06	45.400	698.0	88	6.0	88	30AID	30AID	30AID	6	6
900605	0956	40155	0101	200.0	2.16	40.700	732.0	732.0	6.0	1500	552	552	552	5	5
900704	1000	40165	0101	222.0	2.08	36.900	672.0	490	6.0	490	370	370	370	6	6
900806	1015	40175	0101	136.0	4.62	37.900	479.0	6400	6.0	6400	4300	4300	4300	3	3
900905	1400	40185	0101	157.0	1.40	35.300	496.0	1000	6.0	1000	4300	4300	4300	3	3
901106	1057	40205	0101	145.0		23.100	580.0								
901204	1100	40215	0101	207.0											
MAXIMUM		0.30		222.0	4.62	49.800	1263.0		6.0	6400	4300				
ARITH MEAN		0.30		185.2	2.40	37.555	661.6		6.0	1103	738				
GEOM MEAN				183.0	2.17	36.325	658.7		6.0	308	222				
MINIMUM		0.30		136.0	1.13	20.000	479.0		6.0	30	30				
STD DEV (GEOM %)				28.7	1.16	9.253	211.6		1	6*	5*				
# SAMP IN STATISTICS		11		11	9	11	11		1	9	8				
% SAMP (EXCLUDED)															
*INTERIM TEST-NAME:		FWTEMP	NNHTUR	NN02UR	NN03UR	NN04UR	PHNOL	PH	PHNOL	PHNOL	PHNOL	PHNOL	PHNOL	PHNOL	PHNOL
SAMPLE DATE	HOUR	WATER TEMP	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC	UNF-REAC
YYMMDD	LMT	DEG-C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
900103	1208	40105	0.563	0.080	6.100	1.560	7.73	4.500	0.094	0.158	0.158	0.158	0.158	4<	4<
900206	1033	40115	0.135	0.050	8.600	0.830	7.99	4.000	0.045	0.060	0.060	0.060	0.060	4<	4<
900305	1029	40125	0.200	0.050	8.700	1.040	7.99	4.000	0.067	0.118	0.118	0.118	0.118	4<	4<
900404	0943	40135	0.009	0.100	8.500	0.900	8.17	1.000	0.039	0.109	0.109	0.109	0.109	4<	4<
900507	1237	40148	0.081	0.080	7.600	1.070	8.27	1.000<	0.023	0.112	0.112	0.112	0.112	4C	4C
900605	0956	40155	0.034	0.060	6.000	1.000	8.01	1.000	0.011	0.108	0.108	0.108	0.108	12	12
900704	1000	40165	0.002	0.050	10.100	0.930	8.04	1.000<	0.067	0.136	0.136	0.136	0.136	40C	40C
900806	1015	40175	0.007	0.030	0.800	0.960	7.78	1.000<	0.094	0.222	0.222	0.222	0.222	16C	16C
900905	1400	40185	0.010	0.030	0.800	1.050	7.90	1.000<							
901106	1057	40205	0.035	0.160	6.000	2.200	7.47	13.500							
901204	1100	40215	0.015	0.090	5.600	1.280	8.05	1.000<							

(C O N T D)

B.O.W./ SITE: BEAR CREEK
SAMPLE POINT: NEXT BRIDGE UPSTR AT FED GAUGE
STATION TYPE: RIVER

STATION ID: 04-0027-014-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
WATER STREAM: SYDENHAM RIVER

STORET CODE: 02
003
2980

LAT: 42 53 13.96 LONG: 083 19 33.86 U T M: 17 0310050.0 4750700.0 4 REGION: 01

REGION: 01

**INTERIM	TEST-NAME:	FWTEHP	RNHTUR NH3-N TOTAL	NH02UR UNF .REAC MG/L	NH03UR UNF .REAC MG/L	NITKUR K'DAHL N UNF .REAC MG/L	PH	PHNOL PHEOLS UG/L	PP04UR UNF .REAC MG/L	PPUT PHOSPHOR UNF .TOT. MG/L	PSAM PSEUDOH AERUC. HF CHT /100HL
SAMPLE DATE	SAMPLE NUMBER	WATER TEMP	AS N	AS N	AS N	AS N					
YYYYHHDD	LMT	DEG.C									
		24.0	0.563	0.160	10.100	2.200	8.27	13.500	0.350	0.600	40
	MAXIMUM	10.7	0.101	0.071	6.236	1.168	7.94	4.000	0.083	0.175	18
	ARITH MEAN	5.5	0.033	0.063	4.882	1.121	7.93		0.055	0.144	
	GEOM MEAN	1.0	0.002	0.030	0.800	0.820	7.47	1.000	0.011	0.060	4
	MINIMUM				3.039	0.397	0.22		0.098	0.148	
	STD DEV (GEOM %)	9.8	0.166	0.038							
# SAMP IN STATISTICS		11	11	11	11	11	11	7	10	11	7
% SAMP EXCLUDED								30			44

*=INTERIH	TEST-NAME:	RSF	RSP	SSQ4UR	TURB
SAMPLE	SAMPLE	RESIDUE	RESIDUE	SULPHATE	
DATE	NUMBER	FILTERED	PARTIC.	UNF REAC	TURB*ITY
HOUR		MG/L	MG/L	MG/L	FTU
LMT				AS S04	
900103	1208	711.0	44.7	97.500	
900206	1033	481.0	26.7	78.000	
900305	1029	406.0	19.4	57.500	
900404	0943	464.8	49.2	59.500	
900507	1237	40148	440.2	78.000	
900605	0956	40155	437.0	72.500	
900704	1000	40165	476.0		
900806	1015	40175	70.1	50.500	
900905	1400	368.0	97.6	48.000	
901106	1057	40205	73.7	37.500	
901204	1100	40215	179.0	50.000	113.00
	MAXIMUM	711.0	179.0	97.500	113.00
	ARITH MEAN	444.6	71.3	62.900	113.00
	GEOM MEAN	435.4	60.4	60.607	
	MINIMUM	311.0	19.4	37.500	113.00
	STD DEV (GEOM *)	102.4	44.1	18.176	
	# SAMP IN STATISTICS	11	11	10	1
	% SAMP (EXCLUDED)				

STATION ID: 08-0010-001-02

STORET CODE: 02
002
010

REGION: 01

ECME ECME

LI FORM STREPCUS ME ME

CNT	CNT

90AID 10<

360 140

1500 552

220
8000AID

0017 0021

1500	8000
590	1305

368 90 70

1033*

10

PH PHNOL

PHENOLS

UG/L

100

8.06

8.11

8.12

8.24
7.77

8.16
7.38

7.97

1
2
3
4
5
6
7

(C O N T D)

1990 WATER QUALITY DATA REGION 1

134

B.O.W./ SITE: THE CUT AUSABLE RIVER
 SAMPLE POINT: AT LAMPTON CO.ROAD NO.18
 STATION TYPE: RIVER

STATION ID: 08-0021-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER CUT

STORET CODE: 02

002
0180

DISTANCE: 12.069

LAT: 43 11 34.66 LONG: 081 48 52.98

REGION: 01

U T N: 17 0433800.0 4782350.0 4

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME:	FWSADP	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ASUT ARSENIC UNF.TOT. MG/L AS AS	CCHAUR CYANIDE AVAIL UNF.REAC MG/L AS HCN	CDBT CADMIUM UNF.TOT. MG/L AS CD	CLTDUR CHLORIDE UNF.REAC MG/L AS CL	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF.TOT. MG/L AS CU	D0 DISSOLVED OXYGEN MG/L AS O
900120	1045	32836	0.30	0103	117.4			0.0002<W		341	0.0005<W	
900204	1605	32837	0.30	0103	224.1			0.0002<W		600	0.0012<T	
900213	1055	37523	0.30	0101	183.0	0.001<W	0.001<W	0.0002<W	19.600	520	0.0028	13.0
900312	1100	37536	0.30	0101	106.0	0.001<W	0.001<W	0.0002<W	17.300	375	0.0070	13.5
900318	1700	32838	0.30	0103	208.0			0.0002<W		536	0.0025<T	
900325	1430	32839	0.30	0103	200.8			0.0002<W		550	0.0029	
900402	1400	32840	0.30	0103	227.8			0.0002<W		590	0.0026	
900408	1515	32841	0.30	0103	224.0			0.0002<W		595	0.0059	
900410	0925	37549	0.30	0101	209.0	0.001<W	0.001<W	0.0002<W	23.600	601	0.0022<T	14.5
900415	1415	32842	0.30	0103	221.9			0.0002<W		586	0.0024<T	
900422	1845	32843	0.30	0103	215.9			0.0002<W		552	0.0023<T	
900429	1440	32844	0.30	0103	212.3			0.0002<W		548	0.0023<T	
900513	1805	32845	0.30	0103	214.2			0.0002<W		538	0.0024<T	
900515	0945	37562	0.30	0101	217.0	0.001<W	0.001<W	0.0002<W	25.500	578	0.0030	14.0
900520	1500	32847	0.30	0103	204.8			0.0002<W		610	0.0040	
900527	1625	32848	0.30	0103	233.8			0.0002<W		600	0.0030	
900603	1930	32849	0.30	0103	201.9			0.0002<W		469	0.0030	
900610	1840	32850	0.30	0103	209.9			0.0002<W		530	0.0030	
900611	1015	37575	0.30	0101	200.0	0.001<W	0.001<W	0.0002<W	24.400	542	0.0030	10.50
900617	1730	32851	0.30	0103	202.1			0.0004<T		522	0.0030	
900624	1515	32852	0.30	0103	206.0			0.0002<W		545	0.0030	
900702	2030	32853	0.30	0103	207.6			0.0002<W		566	0.0030	
900708	1945	32854	0.30	0103	197.2			0.0003<T		545	0.0040	
900710	0950	37588	0.30	0101	164.0	0.001<W	0.002<T	0.0003<T	27.500	514	0.0040	9.0
900716	1800	32855	0.30	0103	182.4			0.0002<W		473	0.0050	
900722	1810	32856	0.30	0103	181.8			0.0002<W		563	0.0020<T	
900729	1930	32857	0.30	0103	208.5			0.0002<W		528	0.0005<W	
900806	1520	32858	0.30	0103	206.7			0.0002<W		542	0.0050	
900812	1645	32859	0.30	0103	194.0	0.001<W	0.001<W	0.0002<W	24.600	520	0.0040	8.50
900814	0930	37601	0.30	0101	187.8			0.0002<W		486	0.0050	
900819	1015	32860	0.30	0103	242.8			0.0002<W		584	0.0050	
900826	1710	32861	0.30	0103	249.7			0.0002<W		573	0.0050	
900903	1745	32862	0.30	0103	201.9			0.0002<W		482	0.0060	
900909	1920	32863	0.30	0103	214.6			0.0002<W		538	0.0060	
900915	1445	32864	0.30	0103	284.0	0.001<W	0.001<W	0.0003<T		638	0.0070	11.50
900917	0840	37614	0.30	0101	278.7			0.0002<W		625	0.0040	
900922	1205	32865	0.30	0103	297.5			0.0002<W		656	0.0050	
900930	1345	32866	0.30	0103				0.0002<W			0.0050	
901008	1300	32867	0.30	0103				0.0002<W				

(C O N T D)

B.O.W./ SITE: THE CUT AUSABLE RIVER
 SAMPLE POINT: AT LAMPTON CO. ROAD NO.18
 STATION TYPE: RIVER

STATION ID: 08-0021-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER CUT

STORET CODE: 02
 002
 0180

LAT: 43 11 34.66 LONG: 081 48 52.98 U T M: 17 0433800.0 4782350.0 4 REGION: 01 DISTANCE: 12.069

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ASUT	CHAUUR	CDUT	CLIDUR	COND25	CUUT	DO
SAMPLE DATE YYMMDD	HOUR LHT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ARSENIC UNF.TOT. MG/L AS AS	CYANIDE AVAIL UNF.-REAC MG/L AS HCN	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.-REAC MG/L AS CL	CONDUCT. 25C UMHIO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O
901014	1415	32868	0.30	0103	262.0	0.001<W	0.0002<W	18.500	578	0.0010<T	
901015	0925	37827	0.30	0101	275.0	0.001<W	0.0002<W	637.0	637.0	0.0060	4.0
901021	1645	32869	0.30	0103	263.8	0.0002<W	0.0002<W	582	582	0.0030	
901027	1745	32870	0.30	0103	294.4	0.0002<W	0.0002<W	657	657	0.0040	
901111	1435	32872	0.30	0103	267.0	0.0002<W	0.0002<W	604	604	0.0100	
901113	0945	37840	0.30	0101	283.0	0.001<W	0.0002<W	21.400	664.0	0.0060	6.5
901118	1420	32873	0.30	0103	291.6	0.0002<W	0.0002<W	663	663	0.0050	
901125	1415	32874	0.30	0103	278.6	0.0002<W	0.0002<W	630	630	0.0060	
MAXIMUM											
ARITH MEAN											
GEOM MEAN											
MINIMUM											
STD DEV (GEOM #)											
# SAMP IN STATISTICS											
% SAMP (EXCLUDED)											
		47		47	10	10	48	9	47	48	10

*=INTERIM	TEST-NAME:	FCMF	FEUT	FSMF	FWSTRC	FWTEMP	HGUT	NNHUTUR	NNOTFR	NNO2FR	NNO2UR
SAMPLE DATE YYMMDD	HOUR LHT	SAMPLE NUMBER	COLIFORM CF /100ML	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	UNF.-REAC MG/L AS N	NH3-N TOTAL UNF.-REAC MG/L AS N	NH2-N FIL.-REAC MG/L AS N	NH2-N UNF.-REAC MG/L AS N
900120	1045	32836					0.02<W		3.630	0.0670	
900204	1605	32837					0.02<W		9.500	0.0300	
900213	1055	37523	180	0.670	6	2.5	0.02<W	0.004			0.120
900312	1100	37536	400AID	2.200	6	3.5	0.04<T	0.164			0.140
900318	1700	32838					0.02<W		7.680	0.0380	
900325	1430	32839					0.02<W		8.760	0.0460	
900402	1400	32840					0.02<W		7.100	0.0230	
900408	1515	32841					0.02<W		8.200	0.0250	
900410	0925	37549	10<	0.500	6	6.5	0.02<W	0.010			0.030
900415	1415	32842					0.02<W		8.400	0.0380	
900422	1845	32843					0.02<W		7.650	0.0330	
900429	1440	32844					0.02<W		6.500	0.0420	
900506	1615	32845					0.02<W		4.790	0.0280	
900513	1805	32846					0.02<W		4.220	0.0210	
900515	0945	37562	230	0.540	6	14.5	NO DATAISS	0.029	17.700	0.4900	0.040
900520	1500	32847					0.02<W				

(C O N T D)

B.O.W./ SITE: THE CUT AUSABLE RIVER
SAMPLE POINT: AT LAMPTON CO.ROAD NO.18
STATION TYPE: RIVER

STATION ID: 08-0021-002-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: AUSABLE RIVER CUT

STORET CODE: 02
002
0180

LAT: 43 11 34.66 LONG: 081 48 52.98 U T M: 17 0433800.0 4782350.0 4 REGION: 01 DISTANCE: 12.069

REGION: 01 DISTANCE: 12.069

[illegible]

STD DEV (GEOM #)
SAMP IN STATISTICS
% SAMP (EXCLUDED)

(C O N T D)

B.O.W./ SITE: THE CUT AUSABLE RIVER
 SAMPLE POINT: AT LAUNTON CO. ROAD NO.18
 STATION TYPE: RIVER

STATION ID: 08-0021-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER CUT

STORET CODE: 02
 002
 0180

LAT: 43 11 34.66 LONG: 081 48 52.98

U T M: 17 0433800.0 4782350.0 4

REGION: 01 DISTANCE: 12.069

#=INTERIM	TEST-NAME:	NH03UR	NH3-N UNF.REAC HG/L AS N	NNTKUR K'DAHL N TOTAL UNF.REAC HG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PP04FR	P04 FIL.REAC MG/L AS P	PP04UR	P04 UNF.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P	PPUT	PSAMF PSEUDOMH AERUG. HF CNT /100HL	RSF	RSP	RESIDUE FILTERED MG/L	RESIDUE PARTIC. HG/L
900120	1045	32836				8.10		0.0590			0.345					293.0	
900204	1605	32837				8.28		0.0355			0.065					26.1	
900213	1055	37523	9.100	0.840		8.00				0.057	0.104		4			338.0	42.5
900312	1100	37536	5.200	1.050		7.89				0.184	0.595		10<			303.0	43.3
900318	1700	32838				8.30		0.0125			0.105					80.8	
900325	1630	32839				8.37		0.0470			0.131					63.7	
900402	1400	32840				8.36		0.0045			0.055					31.8	
900408	1515	32841				8.39		0.0050			0.048					31.4	
900410	0925	37549	7.500	0.062		8.20		0.0090			0.048		4<			33.4	
900415	1415	32842				8.42		0.0050			0.059					29.8	
900422	1845	32843				8.35		0.0025			0.058					60.5	
900429	1440	32844				8.27		0.0025			0.046					31.4	
900506	1615	32845				8.43		0.0070			0.047					31.0	
900513	1805	32846				8.33		0.0025			0.030					23.2	
900515	0945	37562	4.600	0.820		8.32		0.0500		0.011	0.041		4<			24.1	
900520	1500	32847				8.22		0.0060			0.157					104.0	
900527	1625	32848				8.28		0.0075			0.066					46.9	
900603	1930	32849				8.32		0.0050			0.042					44.3	
900610	1840	32850				8.30		0.0005<M			0.044					37.9	
900611	1015	37575	5.000	0.900		8.59		0.0035		0.004	0.048		4<			36.1	
900617	1730	32951				8.27		0.0015<T			0.046					33.3	
900624	1515	32852				8.22		0.0035			0.059					41.2	
900702	2030	32853				8.29		0.0030			0.050					35.3	
900708	1945	32854				8.28		0.0035			0.047					45.7	
900710	0950	37568	5.600	0.080		8.13		0.0780		0.020	0.087		8			57.9	
900716	1800	32855				8.21		0.0380			0.162					58.4	
900722	1810	32856				8.39		0.0020<T			0.165					92.5	
900729	1930	32857				8.39		0.0380			0.042					41.7	
900806	1520	32858				8.41		0.0010<T			0.121					42.1	
900812	1645	32959				8.29		0.0035			0.046					33.6	
900814	0930	37601	3.700	0.820		8.12		0.0040		0.011	0.052					24.8	
900819	1015	32860				8.37		0.0040			0.065					37.8	
900826	1710	32861				8.25		0.0105			0.098					47.5	
900903	1745	32862				8.48		0.0245			0.109					51.3	
900909	1920	32863				8.22		0.1110			0.050					99.0	
900915	1445	32864				8.23		0.0880			0.230					153.0	
900917	0840	37614											80C				
900922	1205	32865				8.40		0.0555			0.145					66.8	
900930	1345	32866				8.34		0.0440			0.122					105.0	
901008	1300	32867				8.31		0.0450			0.115					67.6	

(C O N T D)

B.O.W./ SITE: THE CUT AUSABLE RIVER
SAMPLE POINT: AT LAMPTON CO.ROAD NO.18
STATION TYPE: RIVER

STATION ID: 08-0021-002-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: AUSABLE RIVER CUT

STORET CODE: 02
002
0180

LAT: 43 11 34.66 LONG: 081 48 52.98 U T M: 17 0433800.0 4782350.0 4 REGION: 01 DISTANCE: 12.069

[illegible]

*INTERIM	TEST-NAME:	ZNUT	ZINC
SAMPLE	SAMPLE	UNF.TOT.	MG/L
DATE	HOUR	AS ZN	
TIME	LMT		
900213	1055	37523	0.0041
900312	1100	37536	0.0150
900410	0925	37549	0.0024<T
900515	0945	37562	0.0050
900611	1015	37575	0.0070
900710	0950	37580	0.0090
900814	0930	37601	0.0070
900917	0940	37614	0.0140
901015	0925	37627	0.0140
901113	0945	37640	0.0060
		MAXIMUM	0.0490
		ARTH MEAN	0.0158<A
		GEOM MEAN	0.0100<A
		MINIMUM	0.0024
		STD DEV (GEOM %)	0.0172<A
		# SAMP IN STATISTICS	10
		% SAMP (EXCLUDED)	

SAMP IN STATISTICS 10
% SAMP (EXCLUDED)

B.O.W./ SITE: DECKER CREEK
SAMPLE POINT: NEAR BRICK YARD, THEDFORD
STATION TYPE: RIVER

STATION ID: 08-0022-002-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: AUSABLE RIVER

STORET CODE: 02

002
0180

LAT: 43 10 36.86 LONG: 081 51 19.48

DISTANCE: 10.300

REGION: 01

UTM: 17 0430475.0 4780600.0 4

TEST-NAME:	FWSTRC	FWTEMP	NNHTUR NH3-N TOTAL	NNO2UR UNF.REAC MG/L	NNO3UR UNF.REAC MG/L	NNITKUR K'DAHL N TOTAL	PBUT	PH	PP04UR	PPUT
**INTERIM	FWSTRC	WATER TEMP DEG.C	UNF.REAC MG/L	UNF.REAC MG/L	UNF.REAC MG/L	UNF.REAC MG/L	LEAD UNF.TOT. MG/L	PO4 UNF.REAC MG/L	PHOSPHOR UNF.TOT. MG/L	AS P AS P
SAMPLE DATE YYMMDD	SAMPLE NUMBER	HOUR LHT	AS N	AS N	AS N	AS N	AS PB	AS P	AS P	AS P

MAXIMUM	STD DEV (GEOM #)
ARITH MEAN	# SAMP IN STATISTICS
GEOM MEAN	% SAMP (EXCLUDED)
MINIMUM	

**=INTERIM TEST-NAME:

TEST-NAME:	PSAMF PSEUDOMN AERUG.	RSP	ZNUT
SAMPLE DATE YYMMDD LHT	HF CNT /100HL	RESIDUE PARTIC. MG/L	ZINC UNF. TOT. MG/L AS ZN

900116	1140	37509	8	70.4	0.0440
900213	1050	37522	8	24.1	0.0230
900312	1050	37535	8	13.2	0.0200
900410	0905	37548	4<	42.9	0.0800
900515	0925	37561	4<	5.0<	0.0030
900611	0950	37574	4<	23.0	0.0100
900710	0930	37587	4	33.5	0.0100
900814	0910	37600	4	40.0	0.0200
900917	0825	37613	12	34.8	0.0080
901015	0910	37626	4	51.6	0.0400
901113	0930	37639	4<	50.0	0.0490

	MAXIMUM	ARITH MEAN	GEOM MEAN	MINIMUM	STD DEV (GEOM *)	# SAMP IN STATISTICS	% SAMP (EXCLUDED)
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12	90.0	0.0800
7	42.3	0.0279
		0.0195
4	13.2	0.0030
		0.0232
5	10	11
44	9	

B.O.W./ SITE: HENSALL CREEK
SAMPLE POINT: AT CONCESSION ROAD 2, WEST OF HENSALL
STATION TYPE: RIVER FLOW GAUGE MOE 02FF105

STATION ID: 08-0022-007-02

STATION TYPE: RIVER FLOW GAUGE MOE 02FF105

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: AUSABLE RIVER

STORET CODE: 02
002
0180

LAT: 43 25 40.39 LONG: 081 31 22.44

UTM: 17 0457675.0 4808250.0 4

REGION: 01
DISTANCE: 139.204

#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:										#=INTERIM TEST-NAME:																																																	
FWSADP					FGRPROJ					ALKT					B005					CLIDUR					COND25					CUUT					DO					F04M					F04M					F04M																			
SAMPLE					PROJECT					TOTAL					5 DAY					CHLORIDE					CONDUCT.					COPPER					DISOLVED					COLIFORM					FECAL					FECAL																			
DATE					SUB-PROJ					ALK					TOT. DEM.					UNF. REAC					25C					UNF. TOT.					OXYGEN					COLIFORM					FECAL					FECAL																			
YYMMDD LHT					CODE					MG/L					MG/L					MG/L					AT 25 C					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L														
H										AS CAC03					AS O					AS CL					AS CL					AS CU					AS O					/100HL					/100HL					/100HL					/100HL														
0.30					0101					236.0					1.13					32.200					655.0					0.0030					6.0					216					84																								
0.30					900213 0955					37505					0.30					900213 0910					37518					0.30					900213 0910					37518					0.30					900213 0910					37518					0.30									
0.30					900312 0855					37531					0.30					900312 0855					37531					0.30					900312 0855					37531					0.30					900312 0855					37531					0.30									
0.30					900410 0800					37544					0.30					900410 0800					37544					0.30					900410 0800					37544					0.30					900410 0800					37544					0.30									
0.30					900515 0810					37557					0.30					900515 0810					37557					0.30					900515 0810					37557					0.30					900515 0810					37557					0.30									
0.30					900611 0820					37570					0.30					900611 0820					37570					0.30					900611 0820					37570					0.30					900611 0820					37570					0.30									
0.30					900710 0800					37583					0.30					900710 0800					37583					0.30					900710 0800					37583					0.30					900710 0800					37583					0.30									
0.30					900814 0755					37596					0.30					900814 0755					37596					0.30					900814 0755					37596					0.30					900814 0755					37596					0.30									
0.30					900917 0710					37609					0.30					900917 0710					37609					0.30					900917 0710					37609					0.30					900917 0710					37609					0.30									
0.30					901015 0750					37622					0.30					901015 0750					37622					0.30					901015 0750					37622					0.30					901015 0750					37622					0.30									
0.30					901113 0805					37635					0.30					901113 0805					37635					0.30					901113 0805					37635					0.30					901113 0805					37635					0.30									
0.30					MAXIMUM					310.0					3.56					39.000					721.0					0.0060					11.5					640					1300					100																			
0.30					ARITH MEAN					236.2					1.19					25.664					612.9					0.0035<A					8.4					211					495																								
0.30					GEOM MEAN					231.3					0.86					24.739					607.7					0.0032<A					8.2					90					10																								
0.30					MINIMUM					161.0					0.11					15.000					463.0					0.0019					6.0					8					8																								
11					STD DEV (GEOM %)					49.1					0.99					7.160					81.4					0.0015<A					1.8					11					11					11					11														
11					# SAMP IN STATISTICS					11					10					11					11					11					11					11					11					11					11					11									
FWSTRC					FWTEMP					NNHTUR					NN02UR					NN03UR					NNHTKUR					PBUT					PH					PPOCUR					PPUT					PHOSPHOR																			
STREAM					WATER					TOTAL					UNF. REAC					NO3-N					UNF. REAC					TOTAL					UNF. REAC					UNF. TOT.					UNF. REAC					UNF. TOT.					UNF. REAC					UNF. TOT.									
COND.					TEMP					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L					MG/L				
6					1.0					0.318					0.040					13.500					0.760					0.005<W					8.01					0.024					0.049					0.049					0.049					0.049									
6					2.5					0.001					0.320					10.300					0.720					0.005<W					8.08					0.016					0.031					0.031					0.031					0.031									
6					3.0					0.131					0.110					8.300					0.860					0.005<W					7.91					0.064					0.130					0.130					0.130					0.130									
6					6.5					0.433					0.010					7.100					0.580					0.005<W					7.90					0.025					0.047					0.047					0.047					0.047									
6					12.0					0.032					0.060					4.500					0.690					0.005<W					8.20					0.018					0.031					0.031					0.031					0.031									
6					13.5					0.001<					0.090					7.200					0.740					0.005<W					8.54					0.007					0.023					0.023					0.023					0.023									
6					18.0					0.061					0.150					11.800					1.130					0.005<W					7.93					0.114					0.280					0.280					0.280					0.280									
6					15.0					0.039					0.010					4.000					0.630					0.005<W					7.99					0.002					0.018					0.018					0.018					0.018									
6					10.5					0.045					0.060					8.600					0.720					0.005<W					8.13					0.039					0.062					0.062					0.062					0.062									
6					10.5					0.076					0.150					8.000					0.540					0.005<W					8.16					0.122					0.162					0.162					0.162					0.162									
6					2.5					0.113					0.050					7.200					0.590					0.007					8.14					0.007					0.031					0.031					0.031					0.031									

(C O N T D)

B.O.W./ SITE: LITTLE AUSABLE RIVER
 SAMPLE POINT: AT BRIDGE, TWP LINE WEST OF LUCAN
 STATION TYPE: RIVER

STATION ID: 08-0022-010-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER

STORET CODE: 02
 002
 0180

*=INTERIM TEST-NAME: LAT: 43 10 50.08 LONG: 081 26 52.37 U T H: 17 0463600.0 4780750.0 4 REGION: 01 DISTANCE: 109.915

*INTERIM TEST-NAME:		FWSADP		FGPROJ		ALKT		BOD5 5 DAY TOT-DEM. MG/L AS O		CLIDUR		COND25		CUUT		DO		FCMF FECAL COLIFORM CFU /100ML		FEUT IRON UNF-TOT. MG/L AS FE	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALK TOTAL MG/L AS CAC03	BOD 5 DAY TOT-DEM. MG/L AS O	CHLORIDE UNF-REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF-TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	FECAL COLIFORM CFU /100ML	PH	PBUT	LEAD UNF-TOT. MG/L AS PB	NHNTUR K'DAHL N TOTAL UNF-REAC MG/L AS N	NH02UR NH02-N UNF-REAC MG/L AS N	NH03UR NH03-N UNF-REAC MG/L AS N	NHNTUR K'DAHL N TOTAL UNF-REAC MG/L AS N	PH	PHHOL	PHENOLS UNF-REAC UG/L PHENOL
900116	1245	37512	0.30	0101	225.0	0.83	31.500	242.0	0.0020<T	5.5	208	0.100<T	0.067<T								
900213	1155	37525	0.30	0101	203.0	0.30	24.200	581.0	0.0018<T	9.5	570	0.420	0.100<T								
900312	1155	37538	0.30	0101	151.0	1.72	16.900	443.0	0.0026	9.5	30AID	0.140	0.056<T								
900410	1010	37551	0.30	0101	205.0	0.55	24.400	586.0	0.0013<T	11.0	100	0.050<T	0.050<T								
900515	1035	37564	0.30	0101	199.0	1.14	31.200	574.0	0.0020<T	12.5	160	2.000	0.056<T								
900611	1100	37577	0.30	0101	184.0	1.35	26.600	522.0	0.0020<T	9.0	68	0.050<T	0.050<T								
900710	1025	37590	0.30	0101	135.0	1.96	15.500	470.0	0.0030	7.0	160	2.000	0.056<T								
900814	1005	37603	0.30	0101	199.0	1.96	35.200	553.0	0.0050	7.5	1500	0.150	0.056<T								
900917	0915	37616	0.30	0101	296.0	1.78	22.200	678.0	0.0050	10.5	1500	0.150	0.056<T								
901015		37629	0.30	0101	294.0	0.54	20.200	679.0	0.005 <W	4.5	150	0.020	0.056<T								
901113	1030	37642	0.30	0101	288.0	0.97	21.200	690.0	0.0050	8.5	600AID	0.120	0.056<T								
			0.30		296.0	1.96	35.200	690.0	0.0050	12.5	1500	2.000	0.056<T								
			0.30		216.3	1.01	24.464	547.1	0.003 <A	8.6	376	0.312<A	0.056<T								
			0.30		209.9	0.84	23.745	528.7	0.003 <A	8.3	200	0.123<A	0.056<T								
					135.0	0.30	15.500	242.0	0.0013	4.5	30	0.020	0.056<T								
					55.2	0.62	6.215	130.0	0.002 <A	2.4	3#	0.604<A	0.056<T								
			11		11	10	11	11	11	11	9	10	0.056<T								
# SAMP IN STATISTICS % SAMP (EXCLUDED)																					
*INTERIM TEST-NAME:		FSMF		FECAL STREPTOC		FMSTRC		FWTEMP		NHNTUR NH3-N UNF-REAC MG/L AS N		NH02UR NH02-N UNF-REAC MG/L AS N		NH03UR NH03-N UNF-REAC MG/L AS N		NHNTUR K'DAHL N TOTAL UNF-REAC MG/L AS N		PBT		PHHOL	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	COND.	WATER TEMP DEG.C	WATER TEMP DEG.C	TOTAL UNF-REAC MG/L AS N	NH02-N UNF-REAC MG/L AS N	NH03-N UNF-REAC MG/L AS N	NHNTUR K'DAHL N TOTAL UNF-REAC MG/L AS N	PBT	PH	PHHOL	PHENOLS UNF-REAC UG/L PHENOL								
900116	1245	37512	6	1.0	0.132	0.030	10.300	0.570	0.005<W	8.01											
900213	1155	37525	6	3.0	0.007	0.090	10.300	1.070	0.005<W	7.96	1.500										
900312	1155	37538	6	6.5	0.157	0.110	9.200	1.010	0.005<W	7.90	1.000<										
900410	1010	37551	6	8.0	0.027	0.040	8.900	0.510	0.005<W	8.08											
900515	1035	37564	6	13.5	0.028	0.080	6.400	0.670	0.005<W	8.23	1.000<										
900611	1100	37577	6	18.0	0.017	0.080	7.800	0.670	0.005<W	8.57	1.000										
900710	1025	37590	6	22.0	0.025	0.150	14.800	1.520	0.005<W	7.78	1.000<										
900814	1005	37603	6	20.0	0.032	0.010	3.400	0.810	0.005<W	8.07	1.000<										
900917	0915	37616	6	12.5	0.027	0.040	7.500	0.830	0.005<W	8.03	1.000<										
901015		37629	6	11.0	0.048	0.050	6.200	0.680	0.005<W	8.10	2.000										
901113	1030	37642	6	3.5	0.018	0.020	6.000	0.460	0.005<W	8.22	1.000<										

(C O N T D)

1990 WATER QUALITY DATA REGION 1

144

B.O.W./ SITE: LITTLE AUSABLE RIVER
 SAMPLE POINT: AT BRIDGE, TWP LINE WEST OF LUCAN
 STATION TYPE: RIVER

STATION ID: 08-0022-010-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER

STOREY CODE: 02
 002
 0180

LAT: 43 10 50.08 LONG: 081 26 52.37 U T H: 17 0463600.0 4780750.0 4 REGION: 01 DISTANCE: 109.915

*=INTERIM	TEST-NAME:	FSMF FECAL STREPCUS	FWSTRC	FWTEMP	NNH3UR NH3-N TOTAL	NN02UR NO2-N UNF.REAC	NN03UR NO3-N UNF.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHHOL
SAMPLE DATE YYMMDD	HOUR LHT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	UNF.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS N	LEAD MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL
		MAXIMUM 4300		22.0	0.157	0.150	14.800	1.520	0.005	8.57	2.000
		ARITH MEAN 678		10.8	0.047	0.064	8.255	0.800	0.005<A	8.09	1.500
		GEOM MEAN 134		8.0	0.032	0.050	7.753	0.754	0.005<A	8.08	
		MINIMUM 10		1.0	0.007	0.010	3.400	0.460	0.005	7.78	1.000
		STD DEV (GEOM *) 7*		7.1	0.050	0.042	2.993	0.306	0.000<A	0.21	
# SAMP IN STATISTICS % SAMP (EXCLUDED)		9		11	11	11	11	11	11	11	3 66

*=INTERIM	TEST-NAME:	PP04UR	PPUT	PSAMF PSEUDOMN AERUG	RSP	ZNUT	RESIDUE PARTIC. MG/L	UNF.TOT. MG/L AS ZN	ZINC MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LHT	SAMPLE NUMBER	PHOSPHOR UNF.TOT. MG/L AS P	HF CNT /100ML	UNF.TOT. MG/L AS ZN	UNF.TOT. MG/L AS ZN	UNF.TOT. MG/L AS ZN	UNF.TOT. MG/L AS ZN	UNF.TOT. MG/L AS ZN
900116	1245	37512	0.057	0.060	5.0<	0.0041	0.0024<T	0.0041	0.0024<T
900213	1155	37525	0.039	0.054	4	5.0<	0.0067	0.0067	0.0067
900312	1155	37538	0.154	0.255	24	33.3	0.0005<W	0.0005<W	0.0005<W
900410	1010	37551	0.031	0.031	4<	20.1	0.0010<T	0.0010<T	0.0010<T
900515	1035	37564	0.004	0.031	4<	5.0<	0.0040	0.0040	0.0040
900611	1100	37577	0.003	0.020	4<	8.0	0.0130	0.0130	0.0130
900710	1025	37590	0.137	0.258	132C	54.1	0.0050	0.0050	0.0050
900814	1005	37603	0.008	0.053	20	10.4	0.0020<T	0.0020<T	0.0020<T
900917	0915	37616	0.081	0.110	4<	31.7	0.0460	0.0460	0.0460
901015		37629	0.051	0.037	4<	71.3	0.0460	0.0460	0.0460
901113	1030	37642	0.010	0.075	4<	71.3	0.0460	0.0460	0.0460
		MAXIMUM 0.154	0.258	132	71.3	71.3	0.0081<A	0.0081<A	0.0081<A
		ARITH MEAN 0.054	0.089	45	29.8	29.8	0.0039<A	0.0039<A	0.0039<A
		GEOM MEAN 0.027	0.063	4	8.0	8.0	0.0005	0.0005	0.0005
		MINIMUM 0.003	0.020	4	8.0	8.0	0.0130<A	0.0130<A	0.0130<A
STD DEV (GEOM *) % SAMP IN STATISTICS % SAMP (EXCLUDED)		10	11	4	8	8	11	11	11
		55	27	55	27	27	27	27	27

B.O.W./ SITE: AUSABLE RIVER
 SAMPLE POINT: AT TOWNLINE DNSTR.FROM CENTRALIA BASE
 STATION TYPE: RIVER

STATION ID: 08-0022-011-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER

STORET CODE: 02

002
0180

LAT: 43 15 50.65 LONG: 081 31 40.23 U T H: 17 0457160.0 4790060.0 4 REGION: 01 DISTANCE: 120.698

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ALK	BOD5	CLIDUR	COND25	COPPER	DO	FCF	FSHF
SAMPLE	PROJECT	SAMPLE	PROJECT	ALK	TOT	5 DAY	CHLORIDE	CONDUCT.	UNF.TOT.	DISSOLVED	COLIFORM	STREPTOC
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	TOT.DEM.	MG/L	25C	MG/L	OXYGEN	HF	HF
YYHHDD	LHT	M	CODE	AS CAC03	AS O	MG/L	AS CL	UMHO/CM	MG/L	MG/L	CHT	CHT
900116	1040	0.30	0101	223.0	1.52	33.100	671.0	0.0024<T	0.0024<T	10.0	/100HL	/100HL
900213	0945	0.30	0101	197.0	0.50	21.300	557.0	0.0032	0.0032	12.0	350	460
900312	0935	0.30	0101	169.0	1.87	19.700	494.0	0.0035	0.0035	11.5	80AID	30AID
900410	0825	0.30	0101	216.0	1.04	23.300	609.0	0.0020<T	0.0020<T	12.0	80AID	30AID
900515	0840	0.30	0101	223.0	1.28	27.800	592.0	0.0030	0.0030	12.0	84	28
900611	0855	0.30	0101	221.0	0.94	26.000	596.0	0.0090	0.0090	5.5	1500>	1150
900710	0840	0.30	0101	92.4	2.56	16.400	345.0	0.0050	0.0050	6.0	600	450
900814	0825	0.30	0101	228.0	1.96	22.200	596.0	0.0040	0.0040	9.5	170	110
900917	0735	0.30	0101	251.0	0.59	19.800	671.0	0.0050	0.0050	7.5	140	240
901015	0820	0.30	0101	288.0	0.30	24.500	682.0	0.0050	0.0050	9.0	600	1150
901113	0835	0.30	0101	288.0	2.56	33.100	682.0	0.0050	0.0050	12.0	215	313
MAXIMUM		0.30		217.8	1.26	23.918	581.4	0.011 <A	0.011 <A	9.3	80	28
ARITH MEAN		0.30		209.7	1.05	23.484	572.7	0.006 <A	0.006 <A	8.9	7	8
GEOM MEAN		0.30		92.4	0.30	16.400	345.0	0.0020	0.0020	5.5	4*	4*
MINIMUM		0.30		54.3	0.72	4.810	95.7	0.015 <A	0.015 <A	2.5	12	12
STD DEV (GEOM #)		11		11	10	11	11	11	11	11	11	11
# SAMP IN STATISTICS		11		11	10	11	11	11	11	11	11	11
% SAMP (EXCLUDED)		11		11	10	11	11	11	11	11	11	11
*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR	NNHTUR	NNHTUR	NNHTUR	NNHTUR	PPUT	PPUT	PPUT	PPUT
SAMPLE	STREAM	WATER	TEMP	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.TOT.
DATE	HOUR	COND.	DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYHHDD	LHT			AS N	AS N	AS N	AS N	AS N	AS N	AS N	AS N	AS N
900116	1040	4	1.0	0.213	0.040	12.100	0.860	0.005<W	0.005<W	7.72	0.098	0.127
900213	0945	6	2.0	0.011	0.090	9.900	0.600	0.005<W	0.005<W	7.89	0.038	0.054
900312	0935	6	3.5	0.140	0.080	7.200	0.760	0.005<W	0.005<W	7.96	0.057	0.099
900410	0825	6	8.0	0.020	0.050	7.300	0.660	0.005<W	0.005<W	8.03	0.026	0.046
900515	0840	6	13.5	0.049	0.080	3.700	0.950	0.005<W	0.005<W	8.09	0.026	0.058
900611	0855	6	16.0	0.040	0.100	6.300	0.890	0.005<W	0.005<W	8.45	0.036	0.084
900710	0840	6	20.5	0.080	0.190	7.300	1.950	0.006<T	0.006<T	7.60	0.189	0.500
900814	0825	6	18.0	0.070	0.010	1.600	1.120	0.005<W	0.005<W	8.05	0.059	0.182
900917	0735	6	13.5	0.051	0.050	6.700	1.070	0.005<W	0.005<W	7.90	0.108	0.160
901015	0820	6	10.5	0.033	0.050	7.300	0.760	0.005<W	0.005<W	7.97	0.051	0.084
901113	0835	6	2.5	0.085	0.040	6.100	0.740	0.005<W	0.005<W	8.11	0.031	0.059

(C O N T D)

B.O.W./ SITE: PARKHILL CREEK
SAMPLE POINT: RD.BETWEEN LOTS 15&16 WEST OF PARKHILL
STATION TYPE: RIVER

STATION ID: 08-0022-012-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
STREAM: AUSABLE RIVER

STORET CODE: 02
002
0180

LAT: 43 11 05.93 LONG: 081 43 46.93 U T M: 17 0440700.0 4781400.0 4 REGION: 01 DISTANCE: 19.955

[illegible]

**INTERIM		TEST-NAME:		PSAMF	RSP	ZNUT
SAMPLE	SAMPLE	SAMPLE	PSAMF	RESIDUE	ZINC	
DATE	DATE	NUMBER	PSEUDOHN	PARTIC.	UNF. TOT.	
Y/M/DD	HOUR		AERUG.	MG/L	MG/L	AS ZN
LMT	LMT		CHT			
			/100ML			
900116	1205	37511		11.6	0.0047	
900213	1105	37524	4<	22.1	0.0054	
900312	1110	37537	4<	43.8	0.0042	
900410	0935	37550	4<	30.8	0.0020<T	
900515	1000	37563	4<	36.3	0.0030	
900611	1025	37576	4<	30.8	0.0080	
900710	0955	37589	20C	121.0	0.0100	
900814	0940	37602		53.1	0.0090	
900917	0850	37615	84C	72.6	0.0100	
901015	0935	37628	4<	32.1	0.0380	
901113	0955	37641	10AID	33.5	0.0410	
MAXIMUM				121.0	0.0410	
ARITH MEAN				44.3	0.0123<A	
GEOM MEAN				37.3	0.0079<A	
MINIMUM				11.6	0.0020	
STD DEV (GEOM *)				30.0	0.0137<A	
# SAMP IN STATISTICS				11	11	
% SAMP (EXCLUDED)				66		

1990 WATER QUALITY DATA REGION 1

149

B.O.B. / SITE: AUSABLE RIVER
 SAMPLE POINT: AT HIGHWAY 21 GRAND BEND
 STATION TYPE: RIVER

STATION ID: 08-0022-013-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER

STORET CODE: 02
 002
 0180

*=INTERIM TEST-NAME: FNSADP FNSAMP FPROJ ALKT CLIDUR COND25 CRUT CUUT DO FCMF FSHF
 LAT: 43 18 40.75 LONG: 081 45 25.59 U T H: 17 0438600.0 4795450.0 4 REGION: 01 DISTANCE: 0.805

SAMPLE DATE YYMMDD LMT	SAMPLE HOUR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CaCO3	CHLORIDE UNF.REAC MG/L AS CL	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	COLIFORM CFU /100ML	FECAL STREPCUS CFU /100ML
900116 1115		37508	0.30	0101	196.0	30.400	678.0	0.0033	0.0036	10.5		
900213 1010		37521	0.30	0101	183.0	22.700	581.0	0.0027	0.0032	11.5	140	440
900312 1000		37534	0.30	0101	132.0	17.300	438.0	0.0021<T	0.0035	10.5	580	1700
900410 0845		37547	0.30	0101	206.0	24.800	634.0	0.0012<T	0.0031	12.5	30AID	60AID
900515 0900		37560	0.30	0101	233.0	25.800	632.0	0.0020<T	0.0050	13.0	180	120
900611 0920		37573	0.30	0101	227.0	29.200	656.0	0.0020<T	0.0050	9.0		
900710 0900		37586	0.30	0101	183.0	27.400	588.0	0.0020<T	0.0050	7.5	590	350
900814 0850		37599	0.30	0101	202.0	24.600	550.0	0.0010<T	0.0070	7.0		
900917 0755		37612	0.30	0101	251.0	28.100	647.0	0.0005<W	0.0050	10.5	1100	2300
901015 0845		37625	0.30	0101	242.0	19.900	616.0	0.0020<T	0.0070	6.5	150	450
901113 0900		37638	0.30	0101	263.0	21.700	654.0	0.0020<T	0.0110	8.5	550	1100
		MAXIMUM	0.30		263.0	30.400	678.0	0.0033	0.0110	13.0	1100	2300
		ARITH MEAN	0.30		210.7	24.718	606.7	0.0019<A	0.0053	9.7	415	815
		GEOM MEAN	0.30		207.4	24.399	602.9	0.0017<A	0.0049	9.5	264	464
		MINIMUM	0.30		132.0	17.300	438.0	0.0005	0.0031	6.5	30	60
		STD DEV (GEOM *)			37.6	4.045	67.5	0.0008<A	0.0023	2.2	3*	4*
		# SAMP IN STATISTICS	11		11	11	11	11	11	11	8	8
		% SAMP (EXCLUDED)										

SAMPLE DATE YYMMDD LMT	SAMPLE HOUR	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	FNTFMP	FWSTRC	NIUT	NH4-N TOTAL MG/L AS N	NH2O2UR	NH3-N TOTAL MG/L AS N	NH3O3UR	NNTKUR TOTAL MG/L AS N	PBUT	PH	PPO4UR
900116 1115		37508	4	1.0	0.003<T	0.007	0.003<T	0.079	0.040	15.100		1.180	0.005<W	7.72	0.074
900213 1010		37521	6	2.0	0.002<T	0.002	0.002<W	0.060	0.150	11.400		1.120	0.005<W	7.86	0.082
900312 1000		37534	6	3.0	0.002<W	0.002	0.002<W	0.060	0.110	8.200		1.240	0.005<W	7.89	0.104
900410 0845		37547	6	8.5	0.002<W	0.001	0.001<	0.035	0.040	8.800		0.860	0.005<W	8.06	0.023
900515 0900		37560	6	13.5	0.005<T	0.035	0.005<T	0.069	0.080	6.400		1.260	0.005<W	8.13	0.029
900611 0920		37573	6	17.0	0.008<T	0.069	0.008<T	0.120	0.120	10.900		1.460	0.005<W	8.34	0.014
900710 0900		37586	6	22.5	0.007<T	0.199	0.007<T	0.130	0.130	11.900		1.780	0.005<W	8.10	0.047
900814 0850		37599	6	20.0	0.006<T	0.118	0.006<T	0.050	0.050	7.500		1.440	0.005<W	8.06	0.012
900917 0755		37612	6	13.5	0.004<T	0.043	0.004<T	0.060	0.060	7.500		1.500	0.005<W	7.97	0.131
901015 0845		37625	6	11.5	0.006<T	0.043	0.006<T	0.100	0.100	7.300		1.340	0.005<W	7.89	0.099
901113 0900		37638	6	2.5	0.006<T	0.713	0.006<T	0.050	0.050	6.100		2.200	0.005<W	7.90	0.118

(C O N T D)

1990 WATER QUALITY DATA REGION 1

152

B.O.W./ SITE: AUSABLE RIVER
 SAMPLE POINT: AT FIRST CONC.WEST OF HIGHWAY 4 EXETER
 STATION TYPE: RIVER FLOW GAUGE MOE 02FF103

STATION ID: 08-0022-016-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER

STORET CODE: 02
 002
 0180

LAT: 43 21 43.97 LONG: 081 30 34.87 U T M: 17 0458700.0 4800950.0 4 REGION: 01 DISTANCE: 134.377

*-INTERIM TEST-NAME:	FWSTRC	FWTEHP	NH4TUR	NH2TUR	NH3TUR	NH4TUR	NH2TUR	NH3TUR	NH4TUR	PH	PP04UR	PPUT
SAMPLE DATE	YMMDD	HOUR	LMT	WATER TEMP	DEG.C	UNF.REAC	UNF.REAC	UNF.REAC	UNF.REAC	UNF.TOT.	UNF.REAC	UNF.TOT.
						MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
						AS N	AS N	AS N	AS N	AS P	AS P	AS P
MAXIMUM				20.5		0.644	0.360	10.900	1.680	8.41	0.179	0.322
ARITH MEAN				9.0		0.189	0.133	7.555	0.956	8.07	0.057	0.113
GEOM MEAN				6.3		0.130	0.099	6.934	0.892	8.07	0.030	0.085
MINIMUM				1.0		0.038	0.040	1.900	0.430	7.72	0.002	0.041
STD DEV (GEOM *)				6.7		0.183	0.105	2.615	0.372	0.19	0.058	0.096
# SAMP IN STATISTICS				11		11	11	11	11	11	11	11
% SAMP (EXCLUDED)												

*-INTERIM TEST-NAME:	PSAHP	RSP	ZNUT	ZINC
SAMPLE DATE	YMMDD	HOUR	LMT	UNF.TOT.
				MG/L
				AS ZN
MAXIMUM				0.0042
ARITH MEAN				0.0023<T
GEOM MEAN				0.0055
MINIMUM				0.0025<T
STD DEV (GEOM *)				0.0030
# SAMP IN STATISTICS				0.0100
% SAMP (EXCLUDED)				0.0220
				0.0060
				0.0050
				0.0260
				0.0680
				0.0140<A
				0.0076<A
				0.0023
				0.0196<A
				11
				36

STATION ID: 08-0022-017-02

STORET CODE: 02
002
018

REGION: 01
DISTANCE: 136.630

TEST-NAME:	INTERIM	HOUR	SAMPLE DATE YYYYMMDD	LHT	NUMB	NO3-N UNF. REAC MG/L	NO3-N AS N	WTKUR K'DAHL N TOTAL UNF. REAC MG/L	AS N	PH	PPO4UR UNF. REAC MG/L	P04 AS P	PPUT PHOSPHOR UNF. TOT. MG/L	PSAMF PSEUDOMN AERUG. MF CNT /100HL	RSP RESIDUE PARTIC. MG/L
		0750	900316		37500	0.100<	0.590	0.590		7.83	0.024		0.046		5.0<
		0640	900312		37526	7.200	0.770	0.770		7.87	0.072		0.135	12	25.9
		0630	900410		37539	9.100	0.500	0.500		8.33	0.014		0.016	4<	5.0<
		0625	900518		37552	5.300	0.800	0.800		8.24	0.008		0.036	4<	5.0<
		0640	900611		37565	9.100	0.850	0.850		8.43	0.001<		0.056	4<	5.0
		0625	900710		37578	10.000	1.440	1.440		7.62	0.166		0.338	60C	74.9
		0625	900814		37591	4.000	1.010	1.010		8.11	0.012		0.029		5.0<
		0545	900917		37604	7.800	1.000	1.000		7.76	0.095		0.148	20C	14.8
		0620	901015		37617	8.900	0.610	0.610		8.13	0.030		0.066	4	33.8
		0620	901113		37630	0.100	2.250	2.250		8.04	0.001<		0.051	4<	51.6

(C O N T D)

1990 WATER QUALITY DATA REGION 1

154

B.O.W./ SITE: AUSABLE RIVER
 SAMPLE POINT: AT MORRISON DAM EAST OF EXETER
 STATION TYPE: RIVER FLOW GAUGE MOE 02FF104

STATION ID: 08-0022-017-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: AUSABLE RIVER

STORET CODE: 02
 002
 0180

DISTANCE: 136.630

REGION: 01

U T M: 17 0463050.0 4800550.0 4

LAT: 43 21 31.82 LONG: 081 27 21.52

SAMPLE DATE	HHMMSS LMT	HOUR	TEST-NAME	UNIT	VALUE	PH	PP04UR	PP04UR	PPUT	PSAUF	RSP
			INTERIM								
			TEST-NAME								
			MAXIMUM		2.250	8.43	0.166	0.338	60	74.9	
			ARITH MEAN		0.982	8.04	0.053	0.090	24	34.3	
			GEOM MEAN		0.889	8.03	0.060	0.016	4	5.0	
			MINIMUM		0.500	7.62	0.008	0.098	4	6	
			STD DEV (GEOM *)		0.521	0.26	10	10	4	40	
			# SAMP IN STATISTICS		9						
			% SAMP (EXCLUDED)		10						

B.O.W./ SITE: BAYFIELD RIVER
SAMPLE POINT: FIRST CONCESSION DOWNSTREAM FROM CLINTON
STATION TYPE: RIVER

STATION ID: 08-0040-006-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: BAYFIELD RIVER

STORET CODE: 02
002
0370

LAT: 43 35 18.42 LONG: 081 33 28.95 U T M: 17 0454950 0 4826100 0 4

DISTANCE: 21.243

* = INTERIM TEST-NAME:

[illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

[illegible]

	200	310	10.0	0.0050	735.0	30.300	200.0	0.30	MAXIMUM
ARITH MEAN	1080	1400	13.0	0.020	737.0	46.900	209.0	0.30	
GEOM MEAN	319	582	8.8	0.005 <A	601.9	30.045	209.0	0.30	
MINIMUM	165	263	8.5	0.004 <A	592.4	28.328	202.4	0.30	
				0.004 <A	611.0	15.800	123.0	0.40	

[illegible]

TEST-NAME:

SAMPLE DATE	TIME	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	NH3-N		NO2-N		NO3-N		K'DAHLN		PH	PP04UR		PHOSPHOR UNF.TOT. AS P
					UNF. MG/L	TOTAL MG/L	UNF. MG/L	REAC AS N	UNF. MG/L	REAC AS N	UNF. MG/L	REAC AS N		UNF. MG/L	REAC AS P	
000116	0915	37503	4	1.0	0.128	0.050	0.050	13.000	0.640	0.005<W	7.91	0.036	0.049			
000213	0830	37516	6	2.0	0.009	0.050	12.700	0.510	0.005<W	8.08	0.035	0.035				
000312	0810	37529	6	2.5	0.118	0.120	7.700	0.890	0.005<W	7.87	0.064	0.156				
000410	0725	37542	6	6.5	0.500	0.080	8.500	0.560	0.005<W	8.06	0.018	0.030				
000515	0750	37555	6	14.0	0.049	0.040	3.400	0.760	0.005<W	8.11	0.006	0.025				
000611	0740	37568	6	15.5	0.017	0.030	3.000	0.710	0.005<W	8.42	0.001<	0.018				
000710	0725	37581	6	20.5	0.036	0.160	10.400	1.660	0.013<	7.80	0.114	0.346				
000814	0725	37594	6	17.5	0.021<	0.010	2.100	0.660	0.005<W	8.02	0.006	0.024				
000917	0640	37607	6	12.5	0.061	0.080	6.000	1.460	0.005<W	8.12	0.051	0.100				
001015	0715	37620	6	11.0	0.033	0.030	11.400	0.560	0.005<W	8.18	0.021	0.054				
001113	0725	37633	6	2.5	0.171	0.040	8.700	0.690	0.005<W	8.24	0.032	0.059				

(C O N T D)

B.O.W./ SITE: BAYFIELD RIVER
SAMPLE POINT: AT HURON COUNTY ROAD 31 NORTH OF VARNA
STATION TYPE: RIVER FLOW GAUGE FED 02FF007

STATION ID: 08-0040-008-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: BAYFIELD RIVER

STORET CODE: 02
002
0370

LAT: 43 33 02.52 LONG: 081 35 21.34

REGION: 01

U T M: 17 0452400.0 4821925.0 4

DISTANCE: 14.162

*INTERIM TEST-NAME:												
SAMPLE DATE	HOUR	SAMPLE NUMBER	FWSADP	FGPJ3	ALKT	CLIDUR	COND25	CUUT	D0	FCMF	FEUT	FSMF
YYYYHH	LHT			PROJECT SUB-PROJ CODE	ALK TOTAL HG/L AS CAC03	CHLORIDE UNF-REAC HG/L AS CL	CONDUCT-25C UNH0/CH AT 25 C	COPPER UNF-TOT HG/L AS CU	DISSOLVED OXYGEN NG/L AS O	FCOLIF	IRON UNF-TOT MG/L AS FE	FECAL STREPCUS CNT /100HL
900116	0935	37504		0101	199.0	34.700	247.0	0.0019<T			0.042<T	76
900213	0850	37517		0101	209.0	24.700	578.0	0.0013<T		296	0.062<T	1350
900312	0830	37530		0101	152.0	17.400	450.0	0.0019<T		840		
900410	0735	37543		0101	204.0	29.500	604.0	0.0015<T		10A1D	0.055<T	
900515	0745	37556		0101	168.0	31.400	539.0	0.0020<T		10<	0.037<T	10<
900611	0755	37569		0101	244.0	30.600	504.0	0.0020<T		24	0.030<T	4
900710	0740	37582		0101	126.0	14.700	408.0	0.0070	6.5	1500>	4.900	650
900814	0735	37595		0101	206.0	33.000	544.0	0.0030			0.060<T	
900917	0850	37608		0101	275.0	29.800	669.0	0.0040		1400	0.140	580
901015	0730	37621		0101	286.0	22.900	711.0	0.0050	6.0	240	0.100<T	460
901113	0740	37634		0101	283.0	26.400	706.0	0.0050		150	0.100<T	170
		MAXIMUM			286.0	34.700	711.0	0.0070	6.5	1400	4.900	1350
		ARITH MEAN			215.6	26.827	541.8	0.0031<A	6.2	423	0.534<A	413
		GEOM MEAN			209.5	26.015	522.1	0.0027<A	6.2		0.108<A	
		MINIMUM			126.0	14.700	247.0	0.0013	6.0	10	0.030	4
		STD DEV (GEOM *)			52.2	6.382	138.4	0.0019<A	0.4		1.451<A	
# SAMP IN STATISTICS		11			11	11	11	11	2	7	11	8
% SAMP (EXCLUDED)										22		11
*INTERIM TEST-NAME:												
SAMPLE DATE	HOUR	SAMPLE NUMBER	FWSRCL	FWTEMP	NNHTUR	NN02UR	NN03UR	NNTKUR	PBUT	PH	PHHOL	PP04UR
YYYYHH	LHT			WATER TEMP DEG.C	UNF-REAC HG/L AS N	UNF-REAC HG/L AS N	UNF-REAC HG/L AS N	UNF-REAC HG/L AS N	UNF-TOT MG/L AS PB		PHENOLS UNF-REAC US/L	PH04 UNF-REAC HG/L AS P
900116	0935	37504	6	1.0	0.075	0.050	13.500	0.560	0.006<W	8.00		0.025
900213	0850	37517	6	1.5	0.011	0.020	12.100	0.470	0.005<W	8.11	6.000	0.019
900312	0830	37530	6	3.5	0.099	0.090	8.200	0.940	0.005<W	7.94	1.000	0.057
900410	0735	37543	6	7.0	0.018	0.050	8.700	0.490	0.005<W	8.05		0.013
900515	0745	37556	6	13.5	0.076	0.030	4.000	0.860	0.005<W	8.17	1.000<	0.006
900611	0755	37569	6	14.5	0.017	0.030	4.000	0.610	0.005<W	8.54		0.001<
900710	0740	37582	6 3	19.5	0.042	0.010	10.000	1.700	0.005<W	7.83	1.000<	0.123
900814	0735	37595	6	16.5	0.013	0.050	2.200	0.530	0.005<W	8.11	1.000<	0.003
900917	0650	37608	6	12.0	0.005	0.020	6.100	0.900	0.005<W	8.15	1.000<	0.035
901015	0730	37621	6	10.5	0.036	0.030	9.700	0.570	0.005<W	2.500	2.500	0.010
901113	0740	37634	6	2.5	0.080	0.030	7.900	0.610	0.005<W	8.24	1.000<	0.019

(C O N T D)

158

STATION ID: 08-0040-008-02

STORET CODE: 02
002
037

DISTANCE: 14.162

PHNOL
PP04UR

INCIDENTS	F-REAC	UNF. REAC	F-REAC	UNF. REAC
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
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26	26	26	26	26
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79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87		

PHENOL AS P

0.000 0.123

9

B.O.W./ SITE: SILVER CREEK
 SAMPLE POINT: HWY 8, SEAFORTH
 STATION TYPE: RIVER

STATION ID: 08-0040-011-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: BAYFIELD RIVER

STORED CODE: 02
 002
 0370

*INTERIM TEST-NAME:		FWSADP	DATE	TIME	LONG	081	22	57.09	U T M:	17	0469100.0	4821800.0	4	REGION: 01	DISTANCE:	48.430				
SAMPLE	DATE	TIME	YTHDD	LHT	DEPTH	SAMPLE	PROJECT	ALK	CLIDUR	COND25	CONDUCT.	COLIFORM	CHIT	FSMF	FECAL	FWSTRC	FHTEMP	WATER	UNF.REAC	AS N
YTHDD	LHT	DEPTH	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
900116	0830	0.30	37501	0.30	0.30	0.30	0101	212.0	34,700	737.0	737.0	124	6	4	1.0	0.445	1.0	1.0	0.013	0.013
900213	0750	0.30	37514	0.30	0.30	0.30	0101	207.0	28,800	666.0	666.0	124	6	6	2.0	0.013	2.0	2.0	0.013	0.013
900312	0735	0.30	37527	0.30	0.30	0.30	0101	153.0	17,200	480.0	480.0	600	6	6	3.0	0.015	3.0	3.0	0.015	0.015
900410	0700	0.30	37540	0.30	0.30	0.30	0101	202.0	28,400	672.0	672.0	10<	6	6	5.5	0.015	5.5	5.5	0.015	0.015
900515	0700	0.30	37553	0.30	0.30	0.30	0101	223.0	34,800	778.0	778.0	32	6	6	11.0	0.034	11.0	11.0	0.034	0.034
900611	0710	0.30	37566	0.30	0.30	0.30	0101	223.0	37,700	784.0	784.0	600	6	6	11.0	0.017	11.0	11.0	0.017	0.017
900710	0655	0.30	37579	0.30	0.30	0.30	0101	231.0	22,400	713.0	713.0	600	6	6	14.0	0.047	14.0	14.0	0.047	0.047
900814	0655	0.30	37592	0.30	0.30	0.30	0101	239.0	53,600	934.0	934.0	210	6	6	9.5	0.013	9.5	9.5	0.013	0.013
900917	0610	0.30	37605	0.30	0.30	0.30	0101	291.0	41,900	847.0	847.0	176	6	6	11.0	0.032	11.0	11.0	0.032	0.032
901015	0645	0.30	37618	0.30	0.30	0.30	0101	294.0	28,600	807.0	807.0	80AID	6	6	3.5	0.019	3.5	3.5	0.019	0.019
901113	0650	0.30	37631	0.30	0.30	0.30	0101	280.0	26,100	787.0	787.0	80AID	6	6	15.5	0.445	15.5	15.5	0.445	0.445
900213	0750	0.30	37514	0.30	0.30	0.30	0101	232.3	32,200	744.1	744.1	245	6	6	7.9	0.077	7.9	7.9	0.077	0.077
900312	0735	0.30	37527	0.30	0.30	0.30	0101	228.6	30,846	734.8	734.8	32	6	6	5.9	0.038	5.9	5.9	0.038	0.038
900410	0700	0.30	37540	0.30	0.30	0.30	0101	153.0	17,200	480.0	480.0	32	6	6	1.0	0.013	1.0	1.0	0.013	0.013
900515	0700	0.30	37553	0.30	0.30	0.30	0101	42.4	9,963	116.6	116.6	11	6	6	5.1	0.127	5.1	5.1	0.127	0.127
900611	0710	0.30	37566	0.30	0.30	0.30	0101	11	11	11	11	7	6	6	11	11	11	11	11	11
900710	0655	0.30	37579	0.30	0.30	0.30	0101	11	11	11	11	22	6	6	11	11	11	11	11	11
900814	0655	0.30	37592	0.30	0.30	0.30	0101	11	11	11	11	22	6	6	11	11	11	11	11	11
900917	0610	0.30	37605	0.30	0.30	0.30	0101	11	11	11	11	22	6	6	11	11	11	11	11	11
901015	0645	0.30	37618	0.30	0.30	0.30	0101	11	11	11	11	22	6	6	11	11	11	11	11	11
901113	0650	0.30	37631	0.30	0.30	0.30	0101	11	11	11	11	22	6	6	11	11	11	11	11	11
900116	0830	0.30	37501	0.30	0.30	0.30	0101	0.960	7.67	0.066	0.066	0.050	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900213	0750	0.30	37514	0.30	0.30	0.30	0101	0.450	7.95	0.018	0.018	0.023	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900312	0735	0.30	37527	0.30	0.30	0.30	0101	0.850	7.74	0.079	0.079	0.200	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900410	0700	0.30	37540	0.30	0.30	0.30	0101	0.540	7.80	0.021	0.021	0.015	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900515	0700	0.30	37553	0.30	0.30	0.30	0101	0.600	7.99	0.007	0.007	0.015	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900611	0710	0.30	37566	0.30	0.30	0.30	0101	0.470	8.18	0.001	0.001	0.012	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900710	0655	0.30	37579	0.30	0.30	0.30	0101	0.630	7.82	0.073	0.073	0.085	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900814	0655	0.30	37592	0.30	0.30	0.30	0101	0.680	7.72	0.006	0.006	0.039	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
900917	0610	0.30	37605	0.30	0.30	0.30	0101	0.710	7.98	0.032	0.032	0.055	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
901015	0645	0.30	37618	0.30	0.30	0.30	0101	0.450	7.98	0.003	0.003	0.040	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P
901113	0650	0.30	37631	0.30	0.30	0.30	0101	0.440	8.04	0.009	0.009	0.034	AS P	AS P	AS P	AS P	AS P	AS P	AS P	AS P

(CONT'D)

1990 WATER QUALITY DATA REGION 1

162

B.O.W./ SITE: SILVER CREEK
 SAMPLE POINT: HWY 8, SEAFORTH
 STATION TYPE: RIVER

STATION ID: 08-0040-011-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: BAYFIELD RIVER

STORET CODE: 02
 002
 0370

DISTANCE: 48.430

REGION: 01

U T M: 17 0469100.0 4821800.0 4

LONG: 081 22 57.09

LAT: 43 33 01.63

*-INTERIM TEST-NAME:

NN02UR

NN03UR

NNTKUR

PH

PP04UR

PPUT

RSP

SAMPLE

DATE

HHMM

LHT

SAMPLE

NUMBER

UNF.REAC

MG/L

AS N

N02-N

UNF.REAC

MG/L

AS N

N03-N

UNF.REAC

MG/L

AS N

TOTAL

K'DAHL N

P04

UNF.REAC

MG/L

AS P

PHOSPHOR

UNF.TOT.

MG/L

AS P

RESIDUE

PARTIC.

MG/L

MAXIMUM

0.120

ARITH MEAN

0.070

GEOM MEAN

0.061

MINIMUM

0.020

STD DEV (GEOM %)

0.035

SAMP IN STATISTICS

11

% SAMP (EXCLUDED)

11

18.600

9.973

8.951

2.900

4.482

0.185

0.16

11

11

10

9

0.079

0.029

0.038

0.012

0.053

11

5

50

62.6

35.6

12.8

B.O.W./ SITE: BLYTH BROOK
 SAMPLE POINT: AT SIDE ROAD, WEST OF BLYTH
 STATION TYPE: RIVER FLOW GAUGE MOE 02FE105

STATION ID: 08-0056-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: MAITLAND RIVER

STORET CODE: 02
 002
 0530

LAT: 43 44 56.36 LONG: 081 26 45.19 U T M: 17 0464100.0 4843875.0 4 REGION: 01 DISTANCE: 51.015

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	CLIDUR	COND25	DO	FCFECAL	FCFECAL	FSHF	FWSTRC	FTHTMP	NNHTUR
					CONDUCT.	DIVOLVED	COLIFECAL	COLIFECAL	STREPHUS			
					25C	OXYGEN	HF	HF				
SAMPLE	DATE	DEPTH	PROJECT	CHLORIDE	UNH0/CH	MG/L	AS O	AS P	CHT	STREAM	WATER	UNF REAC
Y/YHDD	HOUR	M	SUB-PROJ	AS CL	AT 25 C	MG/L	AS O	AS P	/100HL	COND.	TEMP	MG/L
			CODE								DEG.C	AS N
900102	1225	28585	0101	19.000	618.0	13.0	184	600>	4	4	1.0	0.096
900205	1155	28601	0101	19.700	641.0	14.0	92	20	4	4	1.0	0.055
900305	1140	38344	0101	16.400	577.0	16.0	24	4	4	4	1.0	0.005
900402	1220	38360	0101	17.300	540.0	14.0	268	308	8	8	5.0	0.081
900507	1225	38376	0101	11.400	554.0	12.5	272	76	8	8	13.0	0.051
900604	1200	38392	0101	10.200	554.0	12.0	172	132	8	8	12.5	0.013
900703	1159	38408	0101	13.800	610.0	11.0	88	8	8	8	19.0	0.040
900807	1212	38424	0101	12.900	564.0	10.5	396	20	8	8	18.0	0.001<
900904	1200	38440	0101	12.900	560.0	8.0	152	64	8	8	19.0	0.003
901001	1219	38456	0101	17.200	699.0	11.0	1000>	1500>	8	8	11.0	0.011
901106	1146	38472	0101	11.600	462.0	11.5	1000>	1500>	8	8	5.0	0.002
901203	1219	38488	0101	11.000	500.0	14.5			8	8	1.0	0.001
		MAXIMUM		19.700	699.0	16.0	396	308			19.0	0.096
		ARITH MEAN		14.450	573.2	12.3	183	79			8.9	0.033
		GEOM MEAN		14.109	570.1	12.2					5.1	
		MINIMUM		10.200	462.0	8.0	24	4			1.0	0.001
		STD DEV (GEOM #)		3.308	63.0	2.1					7.4	
#	SAMP IN STATISTICS	12		12	12	12	9	8			12	11
%	SAMP (EXCLUDED)						10	20				8
*=INTERIM	TEST-NAME:	NR02UR	NR03UR	NRHTUR	PH	PP04UR	PPUT	PSAMF	RSP	TURB		
				K'DAHL N				PSEUDONH				
				TOTAL				AERUS.				
SAMPLE	DATE	UNF REAC	UNF REAC	UNF REAC	UNF REAC	UNF REAC	PHOSPHOR	UNF TOT.	RESIDUE	TURB IDY		
Y/YHDD	HOUR	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PARTIC.	FTU		
		AS N	AS N	AS N	PH	AS P	AS P	AS P	MG/L			
900102	1225	0.040	9.800	0.790	7.63	0.021	0.036	8	5.0<	1.38		
900205	1155	0.040	8.500	0.800	7.94	0.036	0.043	4<	3.9			
900305	1140	0.040	6.300	0.610	7.94	0.001	0.012	4<	5.0<			
900402	1220	0.040	6.100	0.850	7.91	0.019	0.066	4	10.9			
900507	1225	0.020	3.000	0.880	8.27	0.001	0.026	4	5.0<			
900604	1200	0.070	2.600	1.080	8.13	0.004	0.025	4<	5.0<			
900703	1159	0.080	4.000	0.970	8.22	0.013	0.036	4<	5.3			
900807	1212	0.030	1.000	0.760	8.13	0.020	0.046	4<	7.5			
900904	1200	0.150	0.700	0.790	8.10	0.019	0.050	4<	5.0			
901001	1219	0.050	5.700	1.010	8.16	0.020	0.044	4<	5.0<			
901106	1146	0.020	5.300	1.290	7.56	0.080	0.173	108C	32.9			
901203	1219	0.020	4.200	0.870	7.99	0.014	0.070		41.4			

(CONT'D)

B.O.W./ SITE: MAITLAND RIVER
SAMPLE POINT: HWY 86 2 MILES N-W OF WINGHAM
STATION TYPE: RIVER FLOW GAUGE FED 02FE005

STATION ID: 08-0056-003-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
RIVER: LAKE HURON
STREAM: LAKE HURON

STORET CODE: 02
002
0530

LAT: 43 53 45.06 LONG: 081 21 15.20 U T M: 17 0471550.0 4860150.0 4 REGION: 01 DISTANCE: 77.246

REGION: 01

.246

[illegible]

(C O N T D)

STATION ID: 08-0056-003-02

STORET CODE: 02 002 051

DISTANCE: 77.246

PH	PP04UR	P04	UNF.REAC	MG/L	AS P
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1.370	0.005	8.54	0.026
0.871	0.005<A	8.21	0.010
0.850	0.005<A	8.21	0.008
0.680	0.005	7.76	0.002
0.217	0.000<A	0.23	0.007
12	11	12	12

ZNUZ

ZINC	
UNF.TOT.	
MG/L	
AS ZN	
TURB'ITY	
FTU	

2.10

2.10	0.0092
2.10	0.0043<A
	0.0034<A
2.10	0.0012
1	0.0032<A
	11

B.O.W./ SITE: HAITLAND RIVER
 SAMPLE POINT: ONE MILE NORTH EAST OF WROXETER
 STATION TYPE: RIVER

STATION ID: 08-0056-004-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: HAITLAND RIVER

STOREY CODE: 02
 002
 0530

LAT: 43 52 06.96				LONG: 081 09 35.71				U T M: 17 0467150.0 4857075.0 4				REGION: 01				DISTANCE: 100.420			
*INTERIM TEST-NAME:				FWSADP	FGPROJ	CLIDUR	COND25	DO	FCNF	FSMF	FWSTRC	FNTMP							
SAMPLE DATE				SAMPLE DEPTH	PROJECT SUB-PROJ	CHLORIDE UNF-REAC	CONDUCT. 25C UNH0/CM AT 25 C	DISSOLVED OXYGEN MG/L AS O	FECAL COLIFORM HF CNT /100ML	FECAL STREPTOCOCCUS HF CNT /100ML	STREAM COND.	WATER TEMP DEG.C							
YYMMDD LHT				M	CODE	MG/L AS CL													
900102	0830	28576	0.30	0101		29.400	669.0	15.0	140	80	4	1.0	0.232						
900205	0810	28592	0.30	0101		17.200	618.0	11.5	4<	4<	4	1.0	0.012						
900305	0810	38335	0.30	0101		18.600	597.0	12.5	16	16	4	1.0	0.015						
900402	0825	38351	0.30	0101		18.400	565.0	14.5	112	216	8	5.0	0.052						
900507	0815	38367	0.30	0101		17.300	550.0	11.5	8	4	8	11.5	0.037						
900604	0810	38383	0.30	0101		18.900	514.0	10.0	100	12	8	16.0	0.031						
900703	0815	38399	0.30	0101		14.100	502.0	9.0	16	4<	4	20.5	0.053						
900807	0825	38415	0.30	0101		18.400	475.0	8.0	8	4	8	20.0	0.052						
900904	0815	38431	0.30	0101		20.100	480.0	7.0	16	4<	8	19.0	0.041						
901001	0815	38447	0.30	0101		17.700	535.0	10.5	1000	1500	8	12.0	0.054						
901106	0820	38463	0.30	0101		13.800	512.0	10.0	8	8	8	4.0	0.001						
901203	0815	38479	0.30	0101		15.300	599.0	13.5	20	40	8	1.0	0.001						
				0.30		29.400	669.0	15.0	140	216		20.5	0.232						
				0.30		18.267	551.3	11.1	52	55		9.3	0.053						
				0.30		17.928	548.4	10.8	8	4		5.1							
						13.800	475.0	7.0				1.0	0.001						
				12		4.004	59.8	2.5	8	6		8.1							
						12	12	12	20	40		12	11						
# SAMP IN STATISTICS																			
% SAMP (EXCLUDED)																			
*INTERIM TEST-NAME:				NNO2UR	NNO3UR	NNTKUR	PH	PP04UR	PPUT	PSAMF	RSP	TURB							
SAMPLE DATE				UNF-REAC	UNF-REAC	K'DAHL N		UNF-REAC	PHOSPHOR	PSEUDOMN	RESIDUE	TURB							
YYMMDD LHT				MG/L AS N	MG/L AS N	TOTAL UNF-REAC		MG/L AS P	MG/L AS P	AERUG. HF CNT /100ML	PARTIC. MG/L	FTU							
900102	0830	28576	0.120	5.000	0.970	0.970	7.67	0.013	0.037	4<	5.0<	1.95							
900205	0810	28592	0.020	6.200	0.650	0.650	7.97	0.013	0.017	4<	3.8								
900305	0810	38335	0.030	6.100	0.640	0.640	7.97	0.002	0.014	16	2.2								
900402	0825	38351	0.030	5.300	0.760	0.760	8.04	0.001	0.021	4<	6.6								
900507	0815	38367	0.010	3.200	0.720	0.720	8.37	0.007	0.016	4<	2.7								
900604	0810	38383	0.060	2.400	0.840	0.840	8.29	0.006	0.025	4<	5.0<								
900703	0815	38399	0.060	2.600	0.600	0.600	8.22	0.015	0.024	4<	5.0<								
900807	0825	38415	0.040	0.800	0.800	0.800	7.98	0.006	0.033	4<	5.6								
900904	0815	38431	0.040	0.500	0.690	0.690	8.06	0.010	0.022	4<	5.3								
901001	0815	38447	0.020	1.200	0.850	0.850	8.12	0.005	0.022	100	61.4								
901106	0820	38463	0.020	3.600	1.660	1.660	7.95	0.018	0.170		42.9								
901203	0815	38479	0.020	4.600	0.810	0.810	8.15	0.008	0.031										

(CONT'D)

B.O.W./ SITE: LITTLE MAITLAND RIVER
 SAMPLE POINT: HWY 23 3 MILES S-W OF PALMERSTON
 STATION TYPE: RIVER

STATION ID: 08-0056-006-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: MAITLAND RIVER

STORET CODE: 02

002

0530

LAT: 43 48 53.16 LONG: 080 53 14.46

U T M: 17 0509060.0 4851090.0 4

REGION: 01

DISTANCE: 131.963

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	5 DAY TOT. DEH.	CLIDUR	COND25	CUUT	D0	DISSOLVED OXYGEN	FCNF	FCAL	FSNF	FECAL COLIFORM	STREPTOCUS HF	HF CNT	100HNL /100HNL
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CaCO3	BOD MG/L AS O	TOT. DEH. MG/L AS O	CHLORIDE UNF. REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF. TOT. MG/L AS CU	D0	DISSOLVED OXYGEN	FCNF	FCAL	FSNF	FECAL COLIFORM	STREPTOCUS HF	HF CNT	100HNL /100HNL
900102	0915	0.30	0101	278.0	1.28	0.90	47.700	783.0	0.0020<T	13.0	13.0	550	60	60	550	60	60	60
900205	0900	0.30	0101	273.0	0.90	0.79	46.000	768.0	0.0022<T	11.0	11.0	600>	92	92	600>	92	92	92
900305	0855	0.30	0101	269.0	0.79	0.79	50.700	786.0	0.0023<T	14.0	14.0	530	10A1D	10A1D	530	10A1D	10A1D	10A1D
900402	0917	0.30	0101	254.0	0.40	0.40	39.300	697.0	0.0035	14.0	14.0	148	8	8	148	8	8	8
900507	0920	0.30	0101	275.0	0.79	0.79	53.900	789.0	0.0030	12.5	12.5	16	16	16	16	16	16	16
900604	0855	0.30	0101	276.0	0.34	0.34	75.000	841.0	0.0030	10.5	10.5	600>	344	344	600>	344	344	344
900703	0900	0.30	0101	287.0	0.79	0.79	71.700	893.0	0.0030	9.5	9.5	440	148	148	440	148	148	148
900807	0910	0.30	0101	256.0	4.32	4.32	134.000	1018.0	0.0005<W	10.0	10.0	410	184	184	410	184	184	184
900904	0902	0.30	0101	234.0	2.06	2.06	163.000	1148.0	0.0060	8.0	8.0	280	268	268	280	268	268	268
901001	0902	0.30	0101	315.0	1.78	1.78	48.800	885.0	0.0050	6.0	6.0	1000>	1500>	1500>	1000>	1500>	1500>	1500>
901106	0855	0.30	0101	208.0	2.96	2.96	19.700	555.0	0.0050	11.0	11.0	1000>	1500>	1500>	1000>	1500>	1500>	1500>
901203	0905	0.30	0101	303.0			32.900	741.0	0.0020<T	12.5	12.5							
901203	0905	0.30	0101	315.0	4.32	4.32	163.000	1148.0	0.0060	14.0	14.0	550	424	424	550	424	424	424
901203	0905	0.30	0101	269.0	1.49	1.49	65.225	825.3	0.0031<A	11.0	11.0	339	171	171	339	171	171	171
901203	0905	0.30	0101	208.0	1.12	1.12	55.614	812.7	0.0027<A	10.7	10.7	16	8	8	16	8	8	8
901203	0905	0.30	0101	28.8	1.22	1.22	42.107	152.0	0.0015<A	2.4	2.4	7	9	9	7	9	9	9
901203	0905	0.30	0101	12	11	11	12	12	12	12	12	30	10	10	30	10	10	10
*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NH4-N UNF. REAC MG/L AS N	NH2-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C	WATER TEMP DEG.C
900102	0915	28578	4	1.0	0.001	0.600	7.800	1.250	0.005<W	7.52	7.52	0.055	0.165	0.165	0.055	0.165	0.165	0.165
900205	0900	28594	4	1.0	0.075	0.130	8.300	0.670	0.005<W	7.68	7.68	0.049	0.063	0.063	0.049	0.063	0.063	0.063
900305	0855	38337	4	1.0	0.040	0.050	8.500	0.840	0.005<W	7.75	7.75	0.038	0.056	0.056	0.038	0.056	0.056	0.056
900402	0917	38353	8	5.0	0.072	0.030	7.400	0.650	0.005<W	7.64	7.64	0.015	0.049	0.049	0.015	0.049	0.049	0.049
900507	0920	38369	8	8.0	0.036	0.070	6.200	0.940	0.005<W	7.94	7.94	0.029	0.046	0.046	0.029	0.046	0.046	0.046
900604	0855	38385	8	9.5	0.007	0.100	7.700	1.100	0.005<W	7.82	7.82	0.060	0.088	0.088	0.060	0.088	0.088	0.088
900703	0900	38401	8	16.0	0.034	0.110	8.200	1.000	0.005<W	8.06	8.06	0.036	0.058	0.058	0.036	0.058	0.058	0.058
900807	0910	38417	8	13.5	0.022	0.080	10.800	1.150	0.005<W	7.94	7.94	0.051	0.110	0.110	0.051	0.110	0.110	0.110
900904	0902	38433	8	13.5	0.016	0.060	12.900	1.240	0.005<W	7.85	7.85	0.110	0.198	0.198	0.110	0.198	0.198	0.198
901001	0902	38449	8	11.0	0.003	0.080	8.400	1.050	0.005<W	7.83	7.83	0.078	0.130	0.130	0.078	0.130	0.130	0.130
901106	0855	38465	8	4.5	0.022	0.250	6.000	1.660	0.005<W	7.47	7.47	0.170	0.354	0.354	0.170	0.354	0.354	0.354
901203	0905	38481	8	1.5	0.008	0.020	6.000	0.660	0.005<W	7.74	7.74	0.031	0.055	0.055	0.031	0.055	0.055	0.055

(CONT'D)

1990 WATER QUALITY DATA REGION 1

171

B.O.W./ SITE: MIDDLE MAITLAND RIVER
 SAMPLE POINT: HANLET OF THONBRIDGE
 STATION TYPE: RIVER

STATION ID: 08-0056-009-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: MAITLAND RIVER

STORET CODE: 02

002
0530

*INTERIM TEST-NAME: FWSADP FPROJ ALKT

U T M: 17 0497720.0 4841750.0 4

REGION: 01

DISTANCE: 140.975

SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CaCO3	BOD 5 DAY TOT-DEH. MG/L AS O	CHLORIDE UNF-REAC MG/L AS CL	CONDUCT. 25C UNH0/CH AT 25 C	COPPER UNF-TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	DO	FCMF COLIFORM HF CNT /100HL	FSMF FECAL STREPTOCUS HF CNT /100HL
900102	1022	28580	0.30	0101	265.0	0.59	70.700	761.0	0.0009<T	12.0	150	510	
900205	1005	28596	0.30	0101	251.0	0.95	26.000	636.0	0.0016<T	17.0	44	40	
900305	0950	38339	0.30	0101	234.0	0.93	25.800	612.0	0.0015<T	13.5	36	12	
900402	1035	38355	0.30	0101	232.0	0.79	29.700	613.0	0.0018<T	14.0	16	24	
900507	1010	38371	0.30	0101	217.0	1.42	28.800	541.0	0.0160	9.5	24	4	
900604	1010	38387	0.30	0101	156.0	0.88	41.900	450.0	0.0020<T	10.5	84	60	
900703	1004	38403	0.30	0101	185.0	1.23	35.900	508.0	0.0020<T	10.0	12	4<	
900807	1015	38419	0.30	0101	213.0	0.02<	123.000	926.0	0.0005<W	12.0	24	12	
900904	1010	38435	0.30	0101	183.0	1.77	85.600	735.0	0.0030	9.0	1500	10A1D	
901001	1015	38451	0.30	0101	294.0	3.92	30.800	739.0	0.0040	9.0	1000>	1500>	
901106	0957	38467	0.30	0101	171.0	4.32	14.200	446.0	0.0040	10.5	1000>	1500>	
901203	1012	38483	0.30	0101	298.0		30.000	706.0	0.0010<T	14.0			
		MAXIMUM			298.0	4.32	123.000	926.0	0.0160	17.0	1500	510	
		ARITH MEAN			224.9	1.64	45.200	639.4	0.0032<A	11.6	210	84	
		GEOM MEAN			220.5		37.770	625.1	0.0021<A	11.4			
		HINIMUM			156.0	0.55	14.200	446.0	0.0005	9.0	12	4	
		STD DEV (GEOM *)			46.5		31.746	142.1	0.0042<A	2.5			
		# SAMP IN STATISTICS			12	10	12	12	12	12	9	8	
		% SAMP (EXCLUDED)				9					10	20	

*INTERIM TEST-NAME: FWSTRC FWTENP

NN02UR NN03UR NN04UR

PH

PPUT

SAMPLE DATE YYMMDD

WATER TEMP DEG.C

STREACH COND.

UNF-REAC MG/L AS N

UNF-REAC MG/L AS N

UNF-REAC MG/L AS N

PH

PPUT

900102 1022 28580 4

1.0

0.615

0.200

4.500

1.310

7.61

0.098

900205 1005 28596 4

1.0

0.048

0.030

8.000

0.610

7.94

0.055

900305 0950 38339 4

1.0

0.043

0.050

7.700

0.660

7.93

0.042

900402 1035 38355 8

5.0

0.344

0.030

9.300

1.020

8.04

0.047

900507 1010 38371 8

11.0

0.025

0.030

1.900

0.840

8.06

0.040

900604 1010 38387 8

13.0

0.025

0.040

0.700

0.970

8.24

0.031

900703 1004 38403 8

22.0

0.040

0.050

0.500

0.880

8.40

0.050

900807 1015 38419 5

19.0

0.073

0.010

0.200

1.450

8.21

0.165

900904 1010 38435 8

18.0

0.051

0.030

0.100

1.450

8.08

0.177

901001 1015 38451 8

11.0

0.003

0.260

9.200

1.430

7.70

0.360

901106 0957 38467 8

4.0

0.126

0.060

3.700

1.730

8.08

0.0360

0.013

0.013

(CONT'D)

B.O.W./ SITE: DRAINAGE DITCH
 SAMPLE POINT: AT SIDE RD. 3-4 1MI. WEST OF MILVERTON
 STATION TYPE: RIVER

STATION ID: 08-0056-010-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: MAITLAND RIVER

STOREY CODE: 02

002

0530

LAT: 43 34 24.11 LONG: 080 56 34.92

U T H: 17 0504600.0 4824275.0 4

REGION: 01

DISTANCE: 153.688

SAMPLE DATE YYMMDD LHT	HOUR	TEST-NAME:	FMSADP	FGPROJ	ALK TOTAL MG/L	PROJECT SUB-PROJ CODE	SAMPLE DEPTH H	SAMPLE NUMBER	BOD5 5 DAY TOT. DEN. MG/L	CLDIUR CHLORIDE UNF. REAC MG/L	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF. TOT. MG/L	DO DISSOLVED OXYGEN MG/L	FCHF FECAL COLIFORM CNT /100ML	FSHF FECAL STREPTOC HF CNT /100ML
900102	1055		0.30	0101	248.0		0.30	28581	1.77	147.000	1008.0	0.0024<T	13.5	770	1500<
900205	1040		0.30	0101	302.0		0.30	28597	4.32	147.000	1108.0	0.0051	14.5	600>	600>
900305	1025		0.30	0101	269.0		0.30	38340	2.41	157.000	1063.0	0.0016<T	15.0	220	330
900402	1102		0.30	0101	260.0		0.30	38356	3.96	98.300	890.0	0.0031	16.0	600>	600>
900507	1048		0.30	0101	295.0		0.30	38372	1.67	191.000	1219.0	0.0030	17.5	600>	50AID
900604	1040		0.30	0101	156.0		0.30	38368	0.88	148.000	935.0	0.0030	11.0	600>	600>
900703	1035		0.30	0101	314.0		0.30	38404	1.38	145.000	1175.0	0.0030	9.0	680	192
900807	1051		0.30	0101	283.0		0.30	38420	1.40	175.000	1079.0	0.0005<W	9.0	1500>	600>
900904	1040		0.30	0101	338.0		0.30	38436	1.28	265.0	1470.0	0.0040	8.0	60AID	548
901001	1045		0.30	0101	354.0		0.30	38452	0.01<	27.600	1006.0	0.0050	9.5	1000>	1000>
901106	1030		0.30	0101	250.0		0.30	38468	3.16	72.800	788.0	0.0050	11.0	1000>	1000>
901203	1048		0.30	0101	322.0		0.30	38484	47.900	823.0	823.0	0.0030	14.5		
		MAXIMUM	0.30		354.0		0.30		11.40	265.0	1470.0	0.0051	17.5	770	548
		ARITH MEAN	0.30		282.6		0.30		3.22	135.1	1047.3	0.0032<A	12.4	358	280
		GEOM MEAN	0.30		277.3		0.30		116.3	1032.7	788.0	0.0028<A	12.0		
		MINIMUM	0.30		156.0		0.30		0.88	27.600	788.0	0.0005	8.0	60	50
		STD DEV (GEOM %)	12		52.4		12		10	65.4	187.5	0.0014<A	3.2		
		# SAMP IN STATISTICS	12		12		12		10	12	12	12	12	5	4
		% SAMP (EXCLUDED)							9					50	60

SAMPLE DATE YYMMDD LHT	HOUR	TEST-NAME:	FMSADP	FGPROJ	ALK TOTAL MG/L	PROJECT SUB-PROJ CODE	SAMPLE DEPTH H	SAMPLE NUMBER	BOD5 5 DAY TOT. DEN. MG/L	CLDIUR CHLORIDE UNF. REAC MG/L	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF. TOT. MG/L	DO DISSOLVED OXYGEN MG/L	FCHF FECAL COLIFORM CNT /100ML	FSHF FECAL STREPTOC HF CNT /100ML
900102	1055		0.30	0101	248.0		0.30	28581	1.77	147.000	1008.0	0.0024<T	13.5	770	1500<
900205	1040		0.30	0101	302.0		0.30	28597	4.32	147.000	1108.0	0.0051	14.5	600>	600>
900305	1025		0.30	0101	269.0		0.30	38340	2.41	157.000	1063.0	0.0016<T	15.0	220	330
900402	1102		0.30	0101	260.0		0.30	38356	3.96	98.300	890.0	0.0031	16.0	600>	600>
900507	1048		0.30	0101	295.0		0.30	38372	1.67	191.000	1219.0	0.0030	17.5	600>	50AID
900604	1040		0.30	0101	156.0		0.30	38368	0.88	148.000	935.0	0.0030	11.0	600>	600>
900703	1035		0.30	0101	314.0		0.30	38404	1.38	145.000	1175.0	0.0030	9.0	680	192
900807	1051		0.30	0101	283.0		0.30	38420	1.40	175.000	1079.0	0.0005<W	9.0	1500>	600>
900904	1040		0.30	0101	338.0		0.30	38436	1.28	265.0	1470.0	0.0040	8.0	60AID	548
901001	1045		0.30	0101	354.0		0.30	38452	0.01<	27.600	1006.0	0.0050	9.5	1000>	1000>
901106	1030		0.30	0101	250.0		0.30	38468	3.16	72.800	788.0	0.0050	11.0	1000>	1000>
901203	1048		0.30	0101	322.0		0.30	38484	47.900	823.0	823.0	0.0030	14.5		

(CONT'D)

1990 WATER QUALITY DATA REGION 1

174

B.O.W./ SITE: DRAINAGE DITCH
 SAMPLE POINT: AT SIDE RD. 3-4 1MI. WEST OF MILVERTON
 STATION TYPE: RIVER

STATION ID: 08-0056-010-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: MAITLAND RIVER

STORET CODE: 02
 002
 0530

DISTANCE: 153.688

REGION: 01

U T M: 17 0504600.0 4824275.0 4

LAT: 43 34 24.11 LONG: 080 56 34.92

*INTERIM TEST-NAME:		FWSTRC	FWTEHP	NNHTUR	NN02UR	NN03UR	NNTKUR	PH		PP04UR	PPUT
SAMPLE DATE	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT
DATE	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT
MAXIMUM ARITH MEAN GEOM MEAN MINIMUM STD DEV (GEOM %) # SAMP IN STATISTICS % SAMP (EXCLUDED)											
WATER TEMP DEG.C 18.0 8.2 5.2 1.0 6.4 12											
UNF REAC MG/L AS N 0.662 0.115 0.042 0.005 0.185 12											
UNF REAC MG/L AS N 0.650 0.187 0.129 0.020 0.182 12											
UNF REAC MG/L AS N 16.800 8.325 7.443 2.600 3.836 12											
UNF REAC MG/L AS N 5.090 1.619 1.374 0.820 1.205 12											
UNF REAC MG/L AS N 0.005 0.005<A 0.005<A 0.005 0.000<A 12											
UNF REAC MG/L AS P 1.680 0.335 0.171 0.035 0.494 12											
UNF REAC MG/L AS P 8.32 7.90 7.90 7.55 0.24 12											
UNF REAC MG/L AS P 1.950 0.727 0.391 0.003 0.602 12											

*INTERIM TEST-NAME:		PSANF	TURB	ZNUT	ZINC
SAMPLE DATE	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT
DATE	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT	YTHDD LHT
PSEUDOMN AERUG. HF CNT /100ML 4 128C 12 4< 4< 84C 8 4< 16 32C 58484					
RESIDUE PARTIC. MG/L 5.0< 11.2 6.6 25.9 5.0< 8.2 8.5 24.4 28.2 5.0< 76.9 156.0					
TURB IDITY FTU 2.20 2.20 2.20 2.20 1					
UNF TOT. MG/L AS ZN 0.0082 0.0130 0.0095 0.0130 0.0050 0.0070 0.0060 0.0150 0.0100 0.0070 0.0160 0.0250					
UNF TOT. MG/L AS ZN 0.0250 0.0112 0.0101 0.0050 0.0056 12					
MAXIMUM ARITH MEAN GEOM MEAN MINIMUM STD DEV (GEOM %) # SAMP IN STATISTICS % SAMP (EXCLUDED)					
128 41 4 7 30					

1990 WATER QUALITY DATA REGION 1

176

B.O.W./ SITE: MIDDLE HAITLAND RIVER
 SAMPLE POINT: HIGHWAY 23, DOWNSTREAM FROM LISTOWEL
 STATION TYPE: RIVER FLOW GAUGE FED 02FE003

STATION ID: 08-0056-013-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: HAITLAND RIVER

STORET CODE: 02
 002
 0530

LAT: 43 43 37.64 LONG: 080 58 23.46

U T M: 17 0502160.0 4841350.0 4 REGION: 01 DISTANCE: 147.090

*=INTERIM TEST-NAME:

FNTMP

NH3-N

UNF.REAC

NO2-N

NO3-N

UNF.REAC

PH

PP04UR

PSAMF

RSP

SAMPLE HOUR

WATER

TEMP

UNF.REAC

NO2-N

NO3-N

UNF.REAC

PH

PP04UR

PSAMF

RSP

DATE YYYMMDD LMT

TEMP

UNF.REAC

NO2-N

NO3-N

UNF.REAC

PH

PP04UR

PSAMF

RSP

NUMBER

DEG.C

MG/L

AS N

AS N

AS N

AS N

AS P

AS P

CNT

MG/L

MAXIMUM

19.0

0.091

0.230

10.200

1.580

8.18

0.187

0.360

16

9.5

ARITH MEAN

8.2

0.040

0.065

4.350

0.829

7.93

0.069

0.110

9

5.0

GEOM MEAN

4.8

0.030

0.044

2.465

0.793

7.92

0.051

0.087

4

2.0

MINIMUM

1.0

0.004

0.010

0.200

0.600

7.59

0.013

0.038

4

2.0

STD DEV (GEOM *)

6.8

0.026

0.070

3.587

0.290

0.17

0.057

0.090

4

6

SAMP IN STATISTICS

12

12

12

12

12

12

12

12

12

12

% SAMP (EXCLUDED)

12

12

12

12

12

12

12

12

12

12

*=INTERIM TEST-NAME:

TURB

FTU

FTU

FTU

FTU

FTU

FTU

FTU

FTU

FTU

SAMPLE DATE

900102

1006

28579

4.60

4.60

4.60

4.60

4.60

4.60

4.60

NUMBER

28579

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

MAXIMUM

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

ARITH MEAN

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

GEOM MEAN

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

MINIMUM

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

4.60

STD DEV (GEOM *)

1

1

1

1

1

1

1

1

1

1

% SAMP (EXCLUDED)

1

1

1

1

1

1

1

1

1

1

178

STATION ID: 08-0056-015-02

STORET CODE: 02
002
053

DISTANCE:

[illegible]

**INTERIM TEST-NAME:			PSAMF	RSP	TURB	ZNUT
SAMPLE	DATE	HOUR	PSAMF AERUGH CNT /100ML	RESIDUE PARTIC. MG/L	TURB*ITY FTU	ZINC UNF.TOT. MG/L AS ZN
SAMPLE NUMBER	SAMPLE NUMBER	LMT				
900102	1258		8	5.0<	4.40	0.0021<T
28586	28586		4<	4.7		0.0035
900205	1220		4<	4.7		0.0037
38345	38345		4<	5.8		0.0016<T
900402	1235		4<	5.0<		0.0080
38361	38377		4<	5.0<		0.0010<T
900507	1245		4<	5.0<		0.0030
38393	38393		4<	5.0<		0.0030
900604	1215		4<	5.0<		0.0030
38409	38409		4<	5.0<		0.0030
900703	1215		4<	5.0<		0.0030
38425	38425		4<	5.0<		0.0030
900807	1240		4<	5.0<		0.0030
38441	38441		4<	5.0<		0.0030
900904	1214		4<	5.0<		0.0030
38457	38457		4<	5.0<		0.0030
901001	1234		28C	14.7		0.0030
38473	38473		28C	66.8		0.0130
901106	1204			35.5		0.0110
38489	38489					
901203	1233					
MAXIMUM	MAXIMUM		28	66.8	4.40	0.0130
ARITH MEAN	ARITH MEAN		18	19.4	4.40	0.0047<A
GEOM MEAN	GEOM MEAN					0.0036<A
MINIMUM	MINIMUM		8	3.7	4.40	0.0010
STD DEV (GEOM *)	STD DEV (GEOM *)					0.0039<A
# SAMP IN STATISTICS	# SAMP IN STATISTICS		2	7	1	12
% SAMP (EXCLUDED)	% SAMP (EXCLUDED)		80	41		

B.O.W./ SITE: BOYLE DRAIN
SAMPLE POINT: DOWNSTREAM FROM HENFRY
STATION TYPE: RIVER

STATION ID: 08-0056-020-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: MAITLAND RIVER

STORET CODE: 02
002
0530

LAT: 43 41 35.15 LONG: 081 05 33.92 U T M: 17 0492525.0 4837575.0 4 REGION: 01 DISTANCE: 131.802

*=INTERIM	TEST-NAME:	FMSADP	F6PROJ	CLIDUR	COND25	FCMF COLIFORM	FCMF FECAL	FSMF STREPCUS	FWSTRC	FMTMP	NNHTUR TOTAL	MNO2UR
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	CHLORIDE UNF-REAC MG/L AS CL	CONDUCT. 25C UNH0/CH AT 25 C	HF CHT /100HL	HF CHT /100HL	MF CNT /100HL	STREAM COND.	WATER TEMP DEG.C	UNF-REAC MG/L AS N	H02-N UNF-REAC MG/L AS N
900102	1130	28582	0101	36,500	756.0	550	1500>	4	4	1.0	0.002	0.360
900205	1105	28598	0101	22,400	620.0	44	8	8	4	1.0	0.275	0.040
900305	1050	38341	0101	21,600	638.0	170	80AID	296	4	5.0	0.063	0.050
900402	1132	38357	0101	26,100	592.0	232	4<	12	8	11.5	0.025	0.050
900507	1125	38373	0101	32,200	504.0	172	52	52	8	13.5	0.053	0.040
900604	1105	38389	0101	25,400	706.0	52	8	4<	8	20.0	0.031	0.150
900703	1106	38405	0101	42,800	561.0	280	4<	10<	8	20.0	0.024	0.010
900807	1120	38421	0101	37,300	526.0	4<	6000AID	1500>	8	11.5	0.007	0.050
900904	1109	38437	0101	27,600	794.0				8	19.5	0.004	0.180
901001	1130	38453	0101	14,600	485.0				8	5.0	0.028	0.220
901106	1057	38469	0101	17,500	734.0				8	1.0	0.051	0.040
901203	1117	38485	0101	42,800	794.0	6000	296	296	20.0	20.0	0.275	0.360
		MAXIMUM		27,636	628.7	835	89	89	9.9	9.9	0.051	0.106
		ARITH MEAN		26,346	620.5				6.0	6.0	0.024	0.066
		GEOM MEAN		14,600	485.0	12	8	8	1.0	1.0	0.002	0.010
		MINIMUM		8,756	106.5	9	5	5	7.7	7.7	0.077	0.109
		STD DEV (GEOM *)		11	11	10	50	50	11	11	11	11
		# SAMP IN STATISTICS										
		% SAMP (EXCLUDED)										

*=INTERIM	TEST-NAME:	NNO3UR	NNTKUR K'DAHL N	PH	PP04UR	PPUT	RSP	TURB
SAMPLE DATE YYMMDD	HOUR LMT	N03-N UNF-REAC MG/L AS N	UNF-REAC MG/L AS N	PH	UNF-REAC MG/L AS P	PHOSPHOR UNF-TOT. MG/L AS P	RESIDUE PARTIC. MG/L	TURBIDITY FTU
900102	1130	28582	1.600	7.43	0.109	0.150	11.9	10.80
900305	1050	38341	1.540	7.61	0.022	0.060	7.8	
900402	1132	38357	0.770	7.87	0.015	0.048	8.5	
900507	1125	38373	1.500	8.25	0.014	0.036	5.0<	
900604	1105	38389	1.200	8.08	0.002	0.039	5.0<	
900703	1106	38405	1.300	8.22	0.025	0.046	7.8	
900807	1120	38421	1.150	8.09	0.040	0.078	10.4	
900904	1109	38437	1.050	8.26	0.059	0.110	21.6	
901001	1130	38453	1.650	7.89	0.132	0.185	5.0<	
901106	1057	38469	1.800	7.57	0.160	0.410	81.0	
901203	1117	38485	0.940	8.03	0.039	0.073	118.0	

(CONTD)

1990 WATER QUALITY DATA REGION 1

180

B.O.W./ SITE: BOYLE DRAIN
 SAMPLE POINT: DOWNSTREAM FROM HENFRYN
 STATION TYPE: RIVER

STATION ID: 08-0056-020-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: HAITLAND RIVER

STORET CODE: 02
 002
 0530

LAT: 43 41 35.15 LONG: 081 05 33.92

DISTANCE: 131.802

REGION: 01

U T M: 17 0492525.0 4837575.0 4

TURB

RSP

PPUT

P04UR

PH

NNTKUR

NN03UR

*INTERIM TEST-NAME:

TURBIDITY

PARTIC.

PHOSPHOR

UNF. REAC

PH

UNF. REAC

UNF. REAC

SAMPLE NUMBER

FTU

MG/L

MG/L

AS P

AS N

AS N

AS N

DATE

FTU

MG/L

MG/L

AS P

AS N

AS N

AS N

DATE

10.80

118.0

0.410

0.160

8.26

1.800

11.700

MAXIMUM

10.80

33.4

0.114

0.056

7.94

1.291

5.627

ARITH MEAN

10.80

7.8

0.085

0.033

7.93

1.253

2.731

GEOM MEAN

10.80

0.109

0.002

0.002

7.43

0.770

0.100

MINIMUM

1

8

11

0.322

0.29

0.322

4.340

STD DEV (GEOM %)

27

11

11

11

11

11

11

SAMP IN STATISTICS

1

27

11

11

11

11

11

% SAMP (EXCLUDED)

1990 WATER QUALITY DATA REGION 1

181

B.O.W./ SITE: MAITLAND RIVER
 SAMPLE POINT: AT HIGHWAY 21 CODERICH
 STATION TYPE: RIVER COMPOSITE

STATION ID: 08-0056-023-83

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: MAITLAND RIVER

STOREY CODE: 02

002
0530

LAT: 43 45 10.13 LONG: 081 42 46.68

U T M: 17 0424600.0 4844450.0 4

REGION: 01

DISTANCE: 2.736

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ASUT	CCHAUR	CDUT	CLDUR	COND25	CRUT	CUUT
SAMPLE DATE HHMMSS	HOUR LHT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ARSENIC UNF. TOT. MG/L AS AS	AVAIL UNF. REAC MG/L AS HCN	CADMIUM UNF. TOT. MG/L AS CD	CHLORIDE UNF. REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF. TOT. MG/L AS CR	COPPER UNF. TOT. MG/L AS CU
900102	1335	28587	0101	258.0	0.001<W	0.001<W	0.0002<W	58.500	759.0	0.0038	0.0018<T
900205	1330	28603	0101	229.0	0.001<W	0.001<W	0.0002<W	72.800	759.0	0.0026	0.0019<T
900305	1232	38366	0101	232.0	0.001<W	0.001<W	0.0002<W	42.600	653.0	0.0046	0.0020<T
900402	1310	38362	0101	228.0	0.001<W	0.001<W	0.0002<W	27.800	578.0	0.0033	0.0022<T
900507	1330	38378	0101	200.0	0.001<W	0.001<W	0.0002<W	330.000	1490.0	0.0005<W	0.0020<T
900604	1245	38394	0101	182.0	0.001<W	0.001<W	0.0002<W	98.300	735.0	0.0010<T	0.0020<T
900703	1252	38410	0101	200.0	0.001<W	0.001<W	0.0002<W	613.000	2510.0	0.0005<W	0.0030
900807	1310	38426	0101	158.0	0.001<W	0.001<W	0.0002<W	168.000	862.0	0.0010<T	0.0020<T
900904	1326	38442	0101	136.0	0.001<W	0.001<W	0.0002<W	466.000	1740.0	0.0010<T	0.0030
901001	1304	38458	0101	223.0	0.001<W	0.001<W	0.0002<W	116.000	845.0	0.0010<T	0.0040
901106	1327	38474	0101	202.0	0.001<W	0.001<W	0.0002<W	58.200	657.0	0.0010<T	0.0010<T
901203	1345	38490	0101	267.0	0.001<W	0.001<W	0.0002<W	17.300	1105.0	0.0010<T	0.0010<T
				267.0	0.001	0.001	0.0002	613.000	2510.0	0.0046	0.0040
				209.6	0.001<A	0.001<A	0.0002<A	172.375	1057.7	0.0018<A	0.0023<A
				206.1	0.001<A	0.001<A	0.0002<A	99.281	951.4	0.0014<A	0.0021<A
				136.0	0.001	0.001	0.0002	17.300	578.0	0.0005	0.0010
				38.3	0.000<A	0.000<A	0.0000<A	193.439	578.7	0.0015<A	0.0008<A
				12	11	11	11	12	12	11	11
# SAMP IN STATISTICS % SAMP (EXCLUDED)											
*=INTERIM	TEST-NAME:	DO	FCNF COLIFORM	FEUT IRON UNF. TOT. MG/L AS FE	FSHF FECAL STREPCUS CNT /100ML	FMSTRC STREAM COND.	FWTEHP WATER TEMP DEG.C	HGUT MERCURY UNF. TOT. UG/L AS HG	NIUT NICKEL UNF. TOT. MG/L AS NI	NHNTUR NH3-N TOTAL UNF. REAC MG/L AS N	MH02UR H02-N UNF. REAC MG/L AS N
900102	1335	15.5	96	0.043<T	156	4	1.0	NO DATAISS	0.002<W	0.134	0.040
900205	1330	15.5	4<	0.063<T	4<	4	1.5	0.02<W	0.002<W	0.014	0.030
900305	1232	18.0	4<	0.047<T	4<	4	1.0	0.02<W	0.002<W	0.014	0.030
900402	1310	16.0	12	0.052<T	8	8	6.5	NO DATAISS	0.002<W	0.025	0.030
900507	1330	11.0	8	0.029<T	8	8	17.0	0.02<W	0.003<T	0.016	0.010
900604	1245	12.0	12	0.030<T	20	8	14.0	0.005<T	0.005<T	0.020	0.030
900703	1252	12.0	8	0.130	4<	8	24.0	0.02<W	0.005<T	0.019	0.030
900807	1310	12.0	4	0.080<T	4<	8	23.0	0.004<T	0.005<T	0.038	0.010
900904	1326	11.0	4<	0.140	4<	8	22.5	0.004<T	0.004<T	0.042	0.010
901001	1304	10.5	1000>	1.100	1500>	8	13.0	0.005<T	0.005<T	0.029	0.010<
901106	1327	12.5		0.080<T		8	5.0	NO DATAISS	0.005<T	0.002	0.020
901203	1345	15.0				8	1.0	0.02<W	0.004<T	0.001<	0.020

(C O N T D)

STATION ID: 08-0056-023-83

STORET CODE: 02
002
0530

REGION: 01

02UR

02-M

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(C O N T D)

1990 WATER QUALITY DATA REGION 1

183

B.O.N./ SITE: HAITLAND RIVER
 SAMPLE POINT: AT HIGHWAY 21 GODERICH
 STATION TYPE: RIVER COMPOSITE

STATION ID: 08-0056-023-83

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: HAITLAND RIVER

STORET CODE: 02
 002
 0530

DISTANCE: 2.736

U T M: 17 0442600.0 4844450.0 4

LAT: 43 45 10.13 LONG: 081 42 46.68

REGION: 01

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME	TURB FTU	ZNUZ UNF. TOT. MG/L AS ZN	ZINC
900102	1335	28587	3.60	0.0030	
900205	1330	28603		0.0033	
900305	1232	38346		0.0032	
900402	1310	38362		0.0024<T	
900507	1330	38378		0.0010<T	
900604	1245	38394		0.0010<T	
900703	1252	38410		0.0040	
900904	1326	38442		0.0030	
901001	1304	38458		0.0120	
901106	1327	38474		0.0120	
901203	1345	38490		0.0080	
MAXIMUM				0.0120	
ARITH MEAN				0.0040<A	
GEOM MEAN				0.0031<A	
MINIMUM				0.0010	
STD. DEV. (GEOM %)				0.0032<A	
# SAMP IN STATISTICS				1	11
% SAMP (EXCLUDED)					

B.O.W./ SITE: MIDDLE HAITLAND RIVER

SAMPLE POINT: AT COUNTY ROAD NO.16 WEST OF BRUSSELS

STATION TYPE: RIVER

STATION ID: 08-0056-031-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: HAITLAND RIVER

STORET CODE: 02

002

0530

LAT: 43 46 18.21 LONG: 081.18 33.77

U T M: 17 0475100.0 4846350.0 4

REGION: 01

DISTANCE: 104.283

#=INTERIM	TEST-NAME:	FMSADP	FPROJ	ALKT	ALK TOTAL	BOD5 5 DAY TOT. DEN.	CHLORIDE UNF. REAC	CONDUR	COND25	CUUT	DO	DISSOLVED OXYGEN	COPPER UNF. TOT.	FCNF FECAL COLIFORM	FSMF FECAL STREPTOC
SAMPLE DATE YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	AS CAC03	MG/L	AS O	MG/L	AS CL	UMHO/CM AT 25 C	MG/L	AS O	MG/L	AS CU	/100ML	/100ML
900102 1202	28584	0.30	0101	255.0	1.18	22.000	635.0	0.0017<T	13.0	68	100	100	100	100	100
900205 1130	28600	0.30	0101	244.0	1.58	19.400	637.0	0.0034	16.5	4<	4	4	4	4	4
900305 1120	38343	0.30	0101	221.0	1.18	18.400	506.0	0.0022<T	16.0	12	12	12	12	12	12
900402 1200	38359	0.30	0101	245.0	0.90	19.800	606.0	0.0016<T	14.0	68	88	88	88	88	88
900507 1202	38375	0.30	0101	238.0	1.13	18.700	569.0	0.0020<T	11.0	4	4	4	4	4	4
900604 1135	38391	0.30	0101	228.0	0.74	17.900	542.0	0.0020<T	11.0	16	24	24	24	24	24
900703 1138	38407	0.30	0101	235.0	1.04	23.200	620.0	0.0040	11.5	4	4	4	4	4	4
900807 1150	38423	0.30	0101	190.0	0.01<	37.600	539.0	0.0005<W	10.0	4	4	4	4	4	4
900904 1140	38439	0.30	0101	180.0	0.49	44.000	546.0	0.0020<T	10.0	4<	4	4	4	4	4
901001 1158	38455	0.30	0101	254.0	4.92	36.500	679.0	0.0040	10.0	1000>	1500>	1500>	1500>	1500>	1500>
901106 1128	38471	0.30	0101	204.0	2.76	18.100	536.0	0.0050	11.0	1000>	1500>	1500>	1500>	1500>	1500>
901203 1159	38487	0.30	0101	299.0		16.700	673.0	0.0020<T	13.5						
MAXIMUM		0.30		299.0		44.000	679.0	0.0050	16.5	68	100	100	100	100	100
ARITH MEAN		0.30		232.7	1.59	24.358	597.3	0.0025<A	12.2	29	34	34	34	34	34
GEOM MEAN		0.30		230.7		23.011	595.3	0.0022<A	12.0						
MINIMUM		0.30		180.0	0.49	16.700	536.0	0.0005	10.0	4	4	4	4	4	4
STD DEV (GEOM %)		12		32.0		9.380	52.0	0.0013<A	2.4						
# SAMP IN STATISTICS		12		12	10	12	12	12	12	6	7	7	7	7	7
% SAMP (EXCLUDED)					9					33	22	22	22	22	22
#=INTERIM	TEST-NAME:	FWSTRC	FWTEHP	NNHTUR HI3-N TOTAL	NN02UR NO2-N UNF. REAC	NN03UR NO3-N UNF. REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PP04UR	PPUT	PH	PH	PH	PH
SAMPLE DATE YYMMDD LMT	SAMPLE NUMBER	STREAM/ COND.	WATER TEMP DEG.C	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	LEAD UNF. TOT. MG/L AS PB	AS PB	UNF. REAC MG/L AS P	P04 MG/L AS P	PH	PH	PH	PH
900102 1202	28584	4	1.0	0.145	0.170	5.900	0.950	0.005<W	7.67	0.019	0.044	0.044	0.044	0.044	0.044
900205 1130	28600	4	1.0	0.063	0.040	8.400	0.780	0.005<W	7.95	0.037	0.043	0.043	0.043	0.043	0.043
900305 1120	38343	4	1.0	0.194	0.060	8.000	0.950	0.005<W	7.94	0.020	0.035	0.035	0.035	0.035	0.035
900402 1200	38359	8	5.0	0.064	0.040	8.500	0.740	0.005<W	8.03	0.011	0.035	0.035	0.035	0.035	0.035
900507 1202	38375	8	13.5	0.080	0.010	3.000	0.980	0.005<W	8.24	0.001	0.039	0.039	0.039	0.039	0.039
900604 1135	38391	8	13.5	0.017	0.040	3.000	0.730	0.005<W	8.24	0.004	0.011	0.011	0.011	0.011	0.011
900703 1138	38407	8	22.0	0.034	0.080	8.600	1.010	0.005<W	8.35	0.012	0.024	0.024	0.024	0.024	0.024
900807 1150	38423	8	20.0	0.035	0.020	2.200	0.980	0.005<W	8.31	0.011	0.019	0.019	0.019	0.019	0.019
900904 1140	38439	8	20.0	0.044	0.020	0.300	0.750	0.005<W	8.36	0.010	0.019	0.019	0.019	0.019	0.019
901001 1158	38455	8	13.0	0.005	0.050	4.100	1.050	0.005<W	8.11	0.010	0.055	0.055	0.055	0.055	0.055
901106 1128	38471	8	5.0	0.112	0.040	5.500	1.660	0.005<W	7.73	0.118	0.270	0.270	0.270	0.270	0.270
901203 1159	38487	8	1.0	0.042	0.040	5.900	0.830	0.005<W	8.08	0.027	0.049	0.049	0.049	0.049	0.049

(C O N T D)

STATION ID: 08-0056-031-02

STORET CODE: 02
002
053

DISTANCE: 104.283

PP04UR PPUT

PU4	PHOSPHOR
F. REAC	UNF. TOT.
MG/L	MG/L
AS D	AS D

11

0.025	0.055	0.039
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0.011
0.069
12

B.O.W./ SITE: LITTLE HAITLAND RIVER
 SAMPLE POINT: GREY TWP. CONC II, 2.5 KM. EAST OF JAMES- TOWN
 STATION TYPE: RIVER
 MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: HAITLAND RIVER

STATION ID: 08-0056-035-02

STORET CODE: 02

002

0530

LAT: 43 47 56.51 LONG: 081 10 13.08 U T M: 17 0486300.0 4849350.0 4 REGION: 01

*=INTERIM	TEST-NAME:	FMSADP	FOPROJ	CLIDUR	COND25	FCMF FECAL COLIFORM	FSMF FECAL STREPTOC	FMSTRC	FWTEMP	NNHTUR NH3-N TOTAL	NN02UR NO2-N UNF-REAC
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	CHLORIDE UNF-REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	CHNT /100ML	CHNT /100ML	STREAM COND.	WATER TEMP DEG.C	UNF-REAC MG/L AS N	UNF-REAC MG/L AS N
900102	1516	28591	0101	20.400	668.0	132	276	4	1.0	0.738	0.080
900205	1515	28607	0101	18.000	641.0	4	4	4	0.5	0.035	0.040
900305	1500	38350	0101	17.700	605.0	4	4	4	1.0	0.014	0.040
900402	1530	38366	0101	18.500	595.0	60	152	8	5.0	0.044	0.040
900507	1543	38382	0101	17.300	543.0	8	4	8	15.5	0.018	0.020
900604	1520	38398	0101	19.400	533.0	20	4	8	17.0	0.024	0.060
900703	1511	38414	0101	20.500	558.0	8	8	8	24.5	0.062	0.020
900807	1540	38430	0101	24.400	479.0	32	4	8	23.0	0.038	0.020
900904	1527	38446	0101	26.600	700.0	24	4	8	12.0	0.001	0.090
901001	1527	38462	0101	13.300	517.0	1000	1500	8	5.0	0.013	0.020
901106	1514	38478	0101	15.300	637.0			8	1.0	0.001	0.020
901203	1533	38494	0101	26.600	700.0	132	276		24.5	0.738	0.090
				19.218	581.0	32	89		10.6	0.110	0.041
				18.890	577.1				5.3	0.035	0.035
				13.300	479.0	4	4		0.5	0.013	0.020
				3.779	70.9				9.5		0.025
				11	12	9	5		12	9	11
						10	50			18	
# SAMP IN STATISTICS											
% SAMP (EXCLUDED)											
*=INTERIM	TEST-NAME:	NN03UR NO3-N UNF-REAC	NNTKUR K'DAHL N TOTAL UNF-REAC	PH	PP04UR P04 UNF-REAC	PPUT PHOSPHOR UNF-TOT	RSP RESIDUE PARTIC.	TURB	TURB*ITY FTU		
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MG/L AS N		MG/L AS P	MG/L AS P	MG/L				
900102	1516	28591	2.220	7.61	0.021	0.050	5.0		1.24		
900205	1515	28607	0.640	8.02	0.018	0.032	6.7				
900305	1500	38350	0.600	8.08	0.001	0.021	6.0				
900402	1530	38366	0.710	8.12	0.005	0.027	5.0				
900507	1543	38382	0.740	8.49	0.006	0.018	5.0				
900604	1520	38398	1.050	8.43	0.002	0.023	5.0				
900703	1511	38414	0.880	8.59	0.032	0.032	5.3				
900807	1540	38430	0.860	8.56	0.006	0.029	6.0				
900904	1527	38446	1.010	8.71	0.001	0.020	4.3				
901001	1527	38462	1.520	8.14	0.074	0.074	41.5				
901106	1514	38478	1.430	7.84	0.065	0.172	28.4				
901203	1533	38494	0.680	8.16	0.022	0.044	7.3				

(CONT'D)

B.O.W./ SITE: LUCKNOW RIVER
 SAMPLE POINT: HIGHWAY 21, PORT ALBERT
 STATION TYPE: RIVER FLOW GAUGE MOE 02FD103

STATION ID: 08-0076-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: LUCKNOW RIVER

STORET CODE: 02

002
0730

DISTANCE: 1.287

REGION: 01

U T M: 17 0442590.0 4858390.0 4

LAT: 43 52 41.94 LONG: 081 42 52.51

**INTERIM TEST-NAME:										**INTERIM TEST-NAME:																	
SAMPLE DATE		HOUR		YTHDD LHT		SAMPLE NUMBER		FNSADP		FQPROJ		ALKT		CLIDUR		COND25		CUUT		DO		FQMF		FEUT		FSMF	
DATE		HOUR		YTHDD LHT		NUMBER		DEPTH		PROJECT		TOTAL		CHLORIDE		CONDUCT.		COPPER		DISOLVED		FECAL		IRON		STREPTUS	
YTHDD LHT		HOUR		YTHDD LHT		NUMBER		M		SUB-PROJ		AS CAC03		UNF. REAC		AT 25 C		UNF. TOT.		OXYGEN		COLIFORM		UNF. TOT.		HF	
YTHDD LHT		HOUR		YTHDD LHT		NUMBER		M		CODE		AS CAC03		AS CL		AT 25 C		AS CU		MG/L		/100HL		AS FE		/100HL	
900102	1402	28588	0.30	0101	236.0	23.200	594.0	0.0017<T	16.0	52	0.130	160															
900205	1400	28604	0.30	0101	222.0	17.600	552.0	0.0027	17.5	8	0.210	4<															
900305	1341	38347	0.30	0101	227.0	20.500	541.0	0.0016<T	16.5	4<	0.310	4<															
900402	1420	38363	0.30	0101	216.0	15.100	492.0	0.0014<T	16.5	88	0.270	312															
900507	1418	38379	0.30	0101	247.0	15.200	522.0	0.0020<T	12.0	12	0.130	4<															
900604	1400	38395	0.30	0101	230.0	17.500	516.0	0.0020<T	12.0	36	0.110	20															
900703	1348	38411	0.30	0101	233.0	18.700	516.0	0.0020<T	11.5	44	0.110	4															
900807	1410	38427	0.30	0101	218.0	22.800	512.0	0.0020<T	11.5	20	0.110	4															
900904	1353	38443	0.30	0101	205.0	23.500	500.0	0.0020<T	11.5	10AID	0.180	8															
901001	1407	38459	0.30	0101	264.0	22.700	569.0	0.0030	12.0	1000>	0.110	8															
901106	1352	38475	0.30	0101	203.0	15.200	496.0	0.0040	14.0	1000>	0.090	1500>															
901203	1419	38491	0.30	0101	240.0	13.700	526.0	0.0010<T	16.0	1000>	0.150	1500>															
MAXIMUM				0.30	264.0	23.500	594.0	0.0040	17.5	88	0.960	312															
ARITH MEAN				0.30	228.4	18.808	526.3	0.0021<A	13.9	34	0.243	73															
GEOM MEAN				0.30	227.8	18.486	525.6	0.0020<A	13.7	8	0.188	4															
MINIMUM				0.30	203.0	13.700	492.0	0.0010	11.5	8	0.110	4															
STD DEV (GEOM *)				12	17.4	3.622	30.0	0.0008<A	2.4	8	0.247	7															
# SAMP IN STATISTICS				12	12	12	12	11	12	20	11	30															
% SAMP (EXCLUDED)																											
**INTERIM TEST-NAME:										**INTERIM TEST-NAME:																	
SAMPLE DATE		HOUR		YTHDD LHT		SAMPLE NUMBER		FNSRCP		FWTEMP		NNHTUR		NN02UR		NN03UR		NNTKUR		PBUT		PH		PHENOLS		P04	
DATE		HOUR		YTHDD LHT		NUMBER		STREAM		WATER		TOTAL		UNF. REAC		UNF. REAC		K'DAHL N		LEAD		PH		UNF. REAC		UNF. REAC	
YTHDD LHT		HOUR		YTHDD LHT		NUMBER		COND.		TEMP		AS N		AS N		AS N		TOTAL		AS PB		AS P		UNF. REAC		UNF. REAC	
900102	1402	28588	4	1.0	0.042	0.040	4.200	0.640	0.005<W	0.005<W	7.89	1.000	0.002														
900205	1400	28604	4	1.0	0.003	0.020	3.400	0.410	0.005<W	0.005<W	8.16	1.000<	0.014														
900305	1341	38347	4	1.0	0.017	0.030	3.200	0.600	0.005<W	0.005<W	8.32	1.000<	0.002														
900402	1420	38363	8	6.0	0.031	0.030	2.900	0.610	0.005<W	0.005<W	8.32	1.500	0.002														
900507	1418	38379	8	15.0	0.014	0.010<	1.800	0.600	0.005<W	0.005<W	8.45	1.000<	0.001														
900604	1400	38395	8	16.0	0.013	0.030	1.600	0.013	0.005<W	0.005<W	8.40	1.000<	0.003														
900703	1348	38411	8	25.0	0.019	0.020	1.500	0.490	0.005<W	0.005<W	8.47	1.000	0.011														
900807	1410	38427	8	24.0	0.026	0.010	1.300	0.540	0.005<W	0.005<W	8.44	1.000	0.008														
900904	1353	38443	8	22.0	0.024	0.010	1.000	0.770	0.005<W	0.005<W	8.48	1.000	0.001<														
901001	1407	38459	8	11.5	0.025	0.010<	1.400	0.550	0.005<W	0.005<W	8.44	1.000	0.001<														
901106	1352	38475	8	5.5	0.002	0.030	1.380	1.380	0.005<W	0.005<W	8.04	6.500	0.022														
901203	1419	38491	8	1.0	0.001	0.010	2.200	0.710	0.005<W	0.005<W	8.26	6.500	0.003														

(C O N T D)

1990 WATER QUALITY DATA REGION 1

191

B.O.W./ SITE: LUCKNOW RIVER
 SAMPLE POINT: HIGHWAY 21, PORT ALBERT
 STATION TYPE: RIVER FLOW GAUGE MDE 02FD103

STATION ID: 08-0076-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: LUCKNOW RIVER

STORET CODE: 02
 002
 0730

LAT: 43 52 41.94 LONG: 081 42 52.51

U T H: 17 0442590.0 4858390.0 4

DISTANCE: 1.287

*=INTERIM TEST-NAME:

FWTEMP

NH4UR

NH2UR

NH3UR

NH4UR

PH

PHNOL

PP04UR

SAMPLE
 DATE HOUR
 YYMMDD LHT

STREAM
 COND.

WATER
 TEMP
 DEG.C

UNF.REAC
 MG/L
 AS N

UNF.REAC
 MG/L
 AS N

UNF.REAC
 MG/L
 AS N

UNF.REAC
 MG/L
 AS N

UNF.TOT.
 MG/L
 AS PB

UNF.REAC
 MG/L
 AS P

UNF.REAC
 MG/L
 AS P

UNF.REAC
 MG/L
 AS P

MAXIMUM
 ARITH MEAN
 GEOM MEAN
 MINIMUM
 STD DEV (GEOM %)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

25.0
 10.7
 5.7
 1.0
 9.4
 12

0.042
 0.018
 0.012
 0.001
 0.012
 12

0.040
 0.024
 0.010
 0.010
 12
 16

4.200
 2.325
 2.110
 1.000
 1.048
 12
 12

1.380
 0.609
 0.457
 0.013
 0.309
 12
 11

0.005
 0.005<A
 0.005<A
 1.000
 0.000<A
 11
 12
 37
 16

*=INTERIM TEST-NAME:

PRUT

PSANF

RSP

TURB

ZNUT

ZINC

ZINC

ZINC

ZINC

ZINC

SAMPLE
 DATE HOUR
 YYMMDD LHT

PHOSPHOR
 UNF.TOT.
 MG/L
 AS P

RESIDUE
 PARTIC.
 MG/L

TURBIDITY
 FTU

TURBIDITY
 FTU

TURBIDITY
 FTU

TURBIDITY
 FTU

TURBIDITY
 FTU

TURBIDITY
 FTU

TURBIDITY
 FTU

TURBIDITY
 FTU

28588
 28604
 38347
 38363
 38379
 38395
 38411
 38427
 38443
 38459
 38475
 38491

0.021
 0.024
 0.021
 0.034
 0.014
 0.011
 0.013
 0.016
 0.017
 0.017
 0.019
 0.026

4<
 4<
 4<
 4<
 4<
 4<
 4<
 4<
 44C
 44C

5.0<
 22.1
 19.7
 22.8
 5.0<
 5.0<
 7.7
 13.6
 12.0
 12.6
 104.0
 11.6

0.0024<T
 0.0021<T
 0.0023<T
 0.0017<T
 0.0010<T
 0.0010<T
 0.0040
 0.0030
 0.0020<T
 0.0100
 0.0110

0.0024<T
 0.0021<T
 0.0023<T
 0.0017<T
 0.0010<T
 0.0010<T
 0.0040
 0.0030
 0.0020<T
 0.0100
 0.0110

MAXIMUM
 ARITH MEAN
 GEOM MEAN
 MINIMUM
 STD DEV (GEOM %)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

44
 44
 44
 44
 1
 90

3.70
 3.70
 3.70
 3.70
 1
 11

0.0037<A
 0.0027<A
 0.0010
 0.0035<A
 11

0.0037<A
 0.0027<A
 0.0010
 0.0035<A
 11

0.0037<A
 0.0027<A
 0.0010
 0.0035<A
 11

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: LITTLE SAUBLE RIVER

STORET CODE: 02
002
111

LAT: 44 17 53.83 LONG: 081 34 43.77 UTM: 17 0453825.0 4904950.0 4 REGION: 01 DISTANCE: 1.931

REGION: 01

DISTANCE: 1.931

[illegible]

TEST-NAME:		GACP		GBCF		GBCP		I1131		NNH3-N		NN02UR		NN03UR		NNTKUR		PH	
SAMPLE DATE	SAMPLE NUMBER	ALPHA CT	GROSS	BETA CT	GROSS	BETA CT	GROSS	UNDISSOL	BQ/L	IODINE	UNF. REAC	TOTAL	UNF. REAC	NO2-N	NO3-N	UNF. REAC	TOTAL	AS N	AS N
YYYYMMDD	LHT	BQ/L	BQ/L	BT	BQ/L	BT	BQ/L	BQ/L	BQ/L	BQ/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
900124	1	0.04<	0.07	0.04<	0.07	0.04<	0.05	9	0.3<	0.009	0.040	0.010<	0.010<	5.100	4.100	0.720	0.460	8.01	7.96
900228	1	0.04<	0.15	0.05	0.15	0.05	0.05	40	0.3<	0.001<	0.010<	0.010<	0.010<	4.100	4.100	0.720	0.460	8.01	7.96
900731	1	0.04<	0.15	0.05	0.15	0.05	0.05	60	0.3<	0.001<	0.010<	0.010<	0.010<	4.100	4.100	0.720	0.460	8.01	7.96
901025	4	0.04<	0.15	0.05	0.15	0.05	0.05	320	0.3<	0.019	0.010	0.010	0.010	4.100	4.100	0.700	0.460	8.09	8.09
MAXIMUM			0.15		0.15		0.05	320		0.019	0.019	0.040	0.025	5.100	4.433	0.720	0.627	8.09	8.09
ARITH MEAN			0.11		0.11		0.05	107		0.014	0.014	0.025	0.025	4.433	4.409	0.627	0.614	8.02	8.02
GEOM MEAN			0.10		0.10		0.05	51		9	0.009	0.010	0.010	4.409	4.100	0.614	0.460	7.96	7.96
MINIMUM			0.07		0.07		0.05	9						4.100	0.577	0.460	0.145	0.07	0.07
STD DEV (GEOM %)			0.06		0.06		1	143											
# SAMP IN STATISTICS			2		2		1			2	2	2	2	3	3	3	3	3	3
% SAMP (EXCLUDED)							50			33	33	33	33						

(CONT'D)

1990 WATER QUALITY DATA REGION 1

195

B.O.W./ SITE: LITTLE SAUBLE RIVER

SAMPLE POINT: AT INVERHURON PROVINCIAL PARK MOE SWA1

STATION TYPE: RIVER

STATION ID: 08-0113-001-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: LITTLE SAUBLE RIVER

STORET CODE: 02

002
1110

LAT: 44 17 53.83 LONG: 081 34 43.77

U T H: 17 0453825.0 4904950.0 4 REGION: 01 DISTANCE: 1.931

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME: NUMBER	PPO4UR		PPUT		PSAMF PSEUDONH		RSP	TURB
			PO4 UNF. REAC MG/L	AS P	PHOSPHOR UNF. TOT. MG/L	AS P	AERUG. CNT /100ML	HF CNT		
900124		1	0.095		0.123		4<		14.8	8.30
900220		1	0.016		0.036		4<		5.0<	1.61
900628		1					4<			
900731		1					4<			
901025		4	0.030		0.040					2.80
		MAXIMUM	0.095		0.123				14.8	8.30
		ARITH MEAN	0.047		0.066				14.8	4.24
		GEOM MEAN	0.036		0.056					3.34
		MINIMUM	0.016		0.036				14.8	1.61
		STD DEV (GEOM #)	0.042		0.049					3.57
		# SAMP IN STATISTICS	3		3				1	3
		% SAMP (EXCLUDED)							50	

STATION ID: 08-0123-002-02

STORET CODE:

DISTANCE: 76.603

FWSTRC FWTEMP

WATER	TEMP	DEG. C
STREAM	COND.	

6	1.0
6	1.0
4	3.5
5	1.0

6	13.0
6	22.0
6	20.0
6	20.0

6	11.0	
6	3.0	
		22.0

10.2
6.5
1.0
8.0

RSP

RESIDUE
PARTIC.
MG/L

14.1
5.0
21.4
8.2

5.0V
5.0V
5.0V
5.0V

3.2

(CONT'D)

1990 WATER QUALITY DATA REGION 1

B.O.W./ SITE: SAUGEEN RIVER

SAMPLE POINT: YONGE STREET, TOWN OF WALKERTON

STATION TYPE: RIVER FLOW GAUGE FED 02FC002

STATION ID: 08-0123-002-02

STORET CODE: 02

1260

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SAUGEEN RIVER

DISTANCE: 76.603

REGION: 01

U T M: 17 0487675.0 4886625.0 4

LAT: 44 08 06.79 LONG: 081 09 14.66

*INTERIM TEST-NAME:

NH03UR

NH03UR

PH

PH

P04UR

PPUT

PSAUF

RSP

SAMPLE
DATE HOUR
YYMMDD LMTSAMPLE
NUMBERNH03-N
UNF .REAC
MG/L AS NK'DAHL N
TOTAL
UNF .REAC
MG/L AS N

PH

P04
UNF .REAC
MG/L AS PPHOSPHOR
UNF .TOT.
MG/L AS PPSEUDOMN
AERUG.
HF
CNT
/100MLRESIDUE
PARTIC.
MG/L

MAXIMUM

1.700

0.660

8.37

0.007

0.028

8

26.6

ARITH MEAN

0.914

0.477

8.24

0.005

0.015

6

13.7

GEOM MEAN

0.776

0.468

8.24

0.002

0.014

4

3.2

MINIMUM

0.150

0.360

8.08

0.007

0.007

5

6

STD DEV (GEOM %)

0.455

0.101

0.09

10

10

50

45

SAMP IN STATISTICS
% SAMP (EXCLUDED)

11

11

11

6

45

50

45

B.O.W./ SITE: SAUGEN RIVER
SAMPLE POINT: HIGHWAY 4, HANOVER
STATION TYPE: RIVER

STATION ID: 08-0123-003-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
STREAM: SAUGEEN RIVER

STORET CODE: (

200
1260

LAT: 44 09 05.10 LONG: 081 02 21.80

UTM: 17 0496850.0 4888475.0 4

ION: 01

DISTANCE: 94.627

[illegible]

(C O N T D)

STORET CODE: 02
002
1260

UTM: 17 0496850.0 4888475.0 4

NNHTUF

WATER
TEMP
DEG.C

22.0	0.019
10.5	0.011
6.8	
1.0	0.004
7.8	
10	8
	11

RSP ZNUT

RESIDUE PARTIC. MG/L	UNF.TOT MG/L	AS ZN
----------------------------	-----------------	-------

900145	38811	4<	0.00145<
900219	38830	4<	5.0<
900319	38849	4<	0.0030
900417	38868	4<	0.0040
900522	38887	4<	0.0028<
900618	38906	4<	0.0010<
900716	38925	4<	0.0010<
900820	38944	4<	0.0040
900917	38963	4<	0.0010<
901015	38982	4<	0.0010<
901119	39001	4<	0.0010<

MAXIMUM	10.3	0.0640
ARITH MEAN	10.3	0.0058<A
GEOM MEAN		0.0022<A
MINIMUM	10.3	0.0010
STD DEV (GEOM #)	1	0.0127<A
# SAMP IN STATISTICS	11	
% SAMP (EXCLUDED)	75	

B.O.W./ SITE: TEESWATER RIVER
SAMPLE POINT: DOWNSTREAM FROM DAM, WEST OF TEESWATER
STATION TYPE: RIVER FLOW GAUGE MOE 02FC104

STATION ID: 08-0123-004-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
002
126

LAT: 43 59 57.50 LONG: 081 18 22.31

UTM: 17 0475450.0 4871625.0 4

REGION: 01

DISTANCE: 99.938

**INTERIM	TEST-NAME:	FNSADP	FGRPROJ	ALKT	RODS	CLIDUR	COND25	D0	FCMF	FCAL	FSMF	FWSTRC
SAMPLE DATE YYYYMMDD	HOUR LMT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	TOT. DEG./ H, AS O	CHLORIDE UNF. REAC MG/L AS CL	CONDUCT, 25C UMHO/CM AT 25 C	DISSOLVED OXYGEN MG/L AS O	FCMF COLIFORM /100HL	FCAL STREPTOC MF CNT /100HL	FSMF STREPTOC MF CNT /100HL	FWSTRC
900115	0927	0.30	0101	246.0	0.25	10.500	578.0	12.5	36		8	6
36820		0.30	0101	246.0	0.60	12.300	562.0	13.0	24		4	6
900219	0930	0.30	0101	218.0	0.98	9.800	505.0	12.0	24		16	6
36858		0.30	0101	235.0	0.39	10.300	521.0	12.5	112		52	6
900417	0815	0.30	0101	246.0	0.59	10.100	533.0	12.0	448		408	6
36877		0.30	0101	247.0	0.70	10.600	537.0	9.0	120		60	6
900618	0925	0.30	0101	251.0	0.69	10.800	530.0	14.0	204		72	6
36896		0.30	0101	239.0		11.500	542.0	10.5				6
900716	0915	0.30	0101	262.0	0.79	11.500	553.0	11.0	68		80	6
900820	0910	0.30	0101	270.0	0.79	13.000	608.0	10.0	260		104	6
36934		0.30	0101	278.0	0.20	12.100	600.0	12.5	30AID		44	6
901015	0925	0.30	0101	270.0								
36972		0.30	0101	278.0								
901119	0915	0.30	0101	270.0								
36991		0.30	0101	270.0								

STD DEV (GEOM *)
SAMP IN STATISTICS
% SAMP (EXCLUDED)

**INTERIM		TEST-NAME:		FWTEMP		NNHTUR		NN02UR		NN03UR		PH		PP04UR		PSANF		RSP	
SAMPLE		WATER		UNF		UNF		UNF		UNF		PH		UNF		PSAERG.		RESIDUE	
DATE		TEMP		REAC		REAC		REAC		REAC		AS N		AS P		HF		PARTIC.	
HHMMSS		DEG.C		MG/L		MG/L		MG/L		MG/L		AS N		AS P		CNT		MG/L	
LMT				AS N		AS N		AS N		AS N		AS N		AS P		/100HL			
900115		1.0		0.004		0.004		0.050		4.200		8.06		0.008		4.0			
900219		1.0		0.001		0.001		0.080		2.800		8.05		0.037		4.0			
900319		3.0		0.013		0.013		0.040		2.600		8.05		0.051		4.0		5.0	
900417		9.0		0.015		0.015		0.040		2.300		8.10		0.026		4.0		5.0	
900522		12.0		0.028		0.028		0.030		2.500		8.15		0.037		4.0			
900618		20.0		0.030		0.030		0.050		4.200		8.12		0.051		4.0			
900716		17.0		0.030		0.030		0.040		2.600		8.12		0.035		4.0			
900820		16.0		0.030		0.030		0.040		2.300		8.22		0.033		4.0		5.0	
900917		10.0		0.028		0.028		0.030		2.500		8.12		0.063		4.0			
901015		10.0		0.030		0.030		0.030		2.500		8.21		0.034		4.0			
901119		3.0		0.001		0.001		0.020		3.900		8.22		0.015		4.0			
901119		3.0		0.001		0.001		0.020		3.900		8.22		0.015		4.0			

(CONT'D)

B.O.W./ SITE: TEESWATER RIVER
 SAMPLE POINT: DOWNSTREAM FROM DAM, WEST OF TEESWATER
 STATION TYPE: RIVER FLOW GAUGE MOE 02FC104

STATION ID: 08-0123-004-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 43 59 57.50 LONG: 081 18 22.31

U T H: 17 0475450.0 4871625.0 4

REGION: 01

DISTANCE: 99.938

R=INTERIM TEST-NAME:

FWTEMP

NHITUR

NH02UR

NH03UR

K'DAHL N

PH

PP04UR

PPUT

PSAHF

RSP

SAMPLE DATE YYMMDD LMT

WATER TEMP DEG.C

UNF.REAC

UNF.REAC

UNF.REAC

UNF.REAC

UNF.REAC

UNF.REAC

UNF.TOT.

PSEUDOMH

RESIDUE

MAXIMUM

20.0

0.028

0.080

4.600

0.820

8.34

0.033

0.063

4

4

ARITH MEAN

9.3

0.016

0.039

3.271

0.579

8.15

0.020

0.036

4

4

GEOM MEAN

6.2

0.033

0.033

3.161

0.569

8.15

0.034

0.034

4

4

MINIMUM

1.0

0.004

0.010

2.300

0.370

8.05

0.008

0.015

4

4

STD DEV (GEOM *)

6.7

0.023

0.023

0.934

0.116

0.09

0.014

0.014

1

88

SAMP IN STATISTICS

11

5

7

7

10

11

5

9

1

88

% SAMP (EXCLUDED)

28

28

7

7

10

11

5

9

1

88

B.O.M./ SITE: SAUCEEN RIVER
 SAMPLE POINT: HIGHWAY 4, TOWN OF DURHAM
 STATION TYPE: RIVER FLOW GAUGE FED 02FC014

STATION ID: 08-0123-005-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUCEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 10 47.62 LONG: 080 50 16.77 U T M: 17 0512950.0 4891650.0 4 REGION: 01 DISTANCE: 125.867

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5 5 DAY TOT-DEM.	CLDUR CHLORIDE UNF-REAC	COND25 CONDUCT. 25C UNH0/CH	CUUT	D0	FCNF FECAL COLIFORM	FSNF FECAL STREPTOC
SAMPLE DATE YYHHDD LHT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK MG/L AS CAC03	BOD MG/L AS O	MG/L AS CL	MG/L AS O	MG/L AT 25 C	COPPER UNF. TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	MG/L /100HL	MG/L /100HL
900116 0820	38813	0101	209.0	0.54	8.400	443.0	0.0006<T	12.0	50AID	10AID	
900219 0820	38832	0103	198.0	0.80	13.200	435.0	0.0011<T	13.0	180	36	
900320 0829	38851	0103	135.0	1.58	6.700	311.0	0.0005<W	13.5	32	16	
900418 0825	38870	0101	179.0	0.88	8.800	380.0	0.0160	12.0	4	16	
900523 0810	38889	0101	184.0	0.84	7.200	368.0	0.0010<T	12.0	40	40	
900619 0815	38908	0101	221.0	0.45	8.900	435.0	0.0010<T	8.0	28	60	
900716 0805	38927	0101	221.0	0.89	13.200	464.0	0.0020<T	10.0	28	20	
900820 0940	38946	0103	223.0	0.89	13.800	459.0	0.0010<T	9.0	36	48	
900918 0745	38965	0101	231.0	0.99	14.300	463.0	0.0010<T	9.5	48	48	
901016 0748	38984	0101	211.0	0.54	10.000	438.0	0.0020<T	9.5	48	48	
901120 0740	39003	0101	211.0	0.54	8.300	420.0	0.0030	12.0	68	16	
	MAXIMUM		231.0	1.58	14.300	464.0	0.0160	13.5	180	60	
	ARITH MEAN		202.1	0.84	10.255	419.6	0.0028<A	11.0	52	31	
	GEOM MEAN		200.1	0.79	9.910	416.9	0.0015<A	10.8	37	26	
	MINIMUM		135.0	0.45	6.700	311.0	0.0005	8.0	4	10	
	STD DEV (GEOM *)		27.5	0.32	2.820	47.7	0.0047<A	1.8	3*	2*	
# SAMP IN STATISTICS	11		11	10	11	11	10	11	11	10	
% SAMP (EXCLUDED)											

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR TOTAL UNF-REAC	NN02UR N02-N UNF-REAC	NN03UR N03-N UNF-REAC	NNTKUR K'DAHL N UNF-REAC	PBUT	PH	PPO4UR P04 UNF-REAC	PPHUT PHOSPHOR UNF-TOT.
SAMPLE DATE YYHHDD LHT	SAMPLE DEPTH COND.	WATER TEMP DEG.C	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB	MG/L AS P	MG/L AS P	MG/L AS P
900116 0820	38813	6	1.0	0.008	0.010<	0.400	0.370	0.005<W	7.99	0.005	0.009
900219 0820	38832	6	1.0	0.006	0.010	0.300	0.390	0.005<W	8.06	0.005	0.011
900320 0829	38851	6	5.0	0.029	0.010	0.200	0.480	0.005<W	8.02	0.005	
900418 0825	38870	6	4.0				0.450	0.007<T	8.20		
900523 0810	38889	6	12.0	0.001<	0.010	0.100	0.560	0.005<W	8.23	0.001<	0.011
900619 0815	38908	6	19.0	0.013	0.020	0.400	0.510	0.005<W	8.28		
900716 0805	38927	6	20.0	0.014	0.010	0.400	0.490	0.005<W	8.41	0.005	0.009
900820 0940	38946	6	15.0	0.022	0.010<	0.400	0.410	0.005<W	8.31	0.005	0.011
900918 0745	38965	6	11.0	0.006	0.020	0.400	0.570	0.005<W	8.30	0.001<	
901016 0748	38984	6	9.0	0.001	0.020	0.300	0.440	0.005<W	8.32	0.001<	0.010
901120 0740	39003	6	2.0					0.005<W	8.15		0.008

(C O N T D)

B.O.W./ SITE: ROCKY SAUGEEN RIVER

SAMPLE POINT: AT CONCESSION ROAD SOUTHWEST OF MARKDALE
STATION TYPE: RIVER FLOW GAUGE FED 02FC005

STATION ID: 08-0123-006-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
002
1260

LAT: 44 18 14.36 LONG: 080 39 54.97 U T M: 17 0526700.0 4905475.0 4 REGION: 01 DISTANCE: 143.389

REGION: 01

DISTANCE: 143.389

[illegible]

**INTERIM		TEST-NAME:		CUUT	DO	FCFHF	FEUT	FSUFH	FWSTRC	FWTEHP	NIUT	NNHUTR	NNH2UR
SAMPLE	DATE	HOUR	SAMPLE	UNF. TOT.	DISOLVED	FECAL COLIFORM	IRON	FECAL STREPCUS	STREAM COND.	WATER TEMP	NICKEL	NH3-N	NH2-N
NUMBER	YYMMDD	LMT	AS CU	MG/L	MG/L	HF	UNF. TOT.	HF		DEG. C	UNF. TOT.	UNF. REAC	UNF. REAC
					AS O	/100HL	AS FE	/100HL			AS NI	MG/L	MG/L
												AS N	AS N
36815	900116	0918		0.0005<W	11.0	80A1D	0.030<T	10<	6	0.5	0.002<W	0.014	0.010<
36834	900220	0925		0.0013<T	12.0	28	0.020<W	4<	6	1.0	0.002<W	0.005	0.020
36853	900320	0920		0.0005<W	13.0	4	0.023<T	12	6	1.0	0.002<W	0.008	0.010
36872	900418	0925		0.0008<T	12.5	36	0.038<T	16	6	4.0	0.002<W	0.014	0.010
36891	900523	0920		0.0010<T	11.0	44	0.058<T	48	6	11.0	0.005<T	0.016	0.010
36910	900619	0920		0.0010<T	8.0	132	0.050<T	60	6	17.0	0.004<T	0.028	0.020
36929	900716	0900		0.0017	8.0	52		16	6	18.0	0.010	0.017	0.010
36948	900820	1051		0.0020<T	9.0		0.040<T		6	15.0	0.003<T	0.016	0.010<
36967	900918	0845		0.0020<T	10.0	136	0.030<T	120	6	9.0	0.003<T	0.009	0.020
36986	901016	0850		0.0020<T	10.0	64	0.040<T	84	6	8.0	0.003<T	0.015	0.010<
36905	901120	0847		0.0030	11.5	40	0.030<T	16	6	3.0	0.004<T	0.004	0.010<

(CONT'D)

1990 WATER QUALITY DATA REGION 1

205

B.O.W./ SITE: ROCKY SAUGEN RIVER
 SAMPLE POINT: AT CONCESSION ROAD SOUTHWEST OF MARKDALE
 STATION TYPE: RIVER FLOW GAUGE FED 02FC005

STATION ID: 08-0123-006-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEN RIVER

STORET CODE: 02

002
 1260

LAT: 44 18 14.36 LONG: 080 39 54.97

U T M: 17 0526700.0 4905475.0 4

DISTANCE: 143.389

*=INTERIM TEST-NAME:

CUUT DO FCNFC

FEUT FSHF FCMSTRC

FWTEMP NIUT

NRHTUR NHO2UR

SAMPLE DATE YYMMDD LHT

COPPER UNF.TOT. MG/L AS CU

IRON UNF.TOT. MG/L AS FE

WATER TEMP DEG.C

NICKEL UNF.TOT. MG/L AS NI

MAXIMUM ARITH MEAN GEOM MEAN MINIMUM

13.0 10.5 10.4 8.0

120 47 12 8 20

18.0 0.005 0.003<A 0.013 0.014

0.028 0.013 0.012 0.004 0.010

STD DEV (GEOM *)

1.7 3*

0.012<A

6.6 11 10 11

0.007 7 36

SAMP IN STATISTICS

10

10

11

11

*=INTERIM TEST-NAME:

NHO3UR K'DAHL N

PHENOL UNF-REAC UG/L PH

PPUT PHOSPHOR UNF.TOT. MG/L AS P

P1ALDR P1BHC

SAMPLE DATE YYMMDD LHT

NHO3-UNF REAC MG/L AS N

PHENOL UNF-REAC UG/L PH

PPUT PHOSPHOR UNF.TOT. MG/L AS P

BHC ALPHA NG/L

900116 0918

38815 1.700

8.13

0.006

1<W

900220 0925

38834 1.900

8.08

0.004

1<W

900320 0920

38853 1.700

8.01

0.004

1<W

900418 0925

38872 1.600

8.09

0.008

1<W

900523 0920

38891 1.000

8.13

0.010

1<W

900619 0920

38910 1.600

8.19

0.003

1<W

900716 0900

38929 0.100

8.39

0.008

1<W

900820 1051

38948 1.500

8.28

0.003

1<W

900918 0845

38967 1.500

8.25

0.007

1<W

901016 0850

38986 1.300

8.22

0.006

1<W

901120 0847

39005 0.300

8.12

1.500

1<W

MAXIMUM

1.900

8.39

0.011

1

ARITH MEAN

1.291

8.17

0.008

1<A

GEOM MEAN

1.019

8.01

0.004

1<A

MINIMUM

0.220

0.005

0.002

0<A

STD DEV (GEOM *)

0.074

11

9

9

(CONT'D)

B.O.W./ SITE: ROCKY SAUGEN RIVER
 SAMPLE POINT: AT CONCESSION ROAD, SOUTHWEST OF MARKDALE
 STATION TYPE: RIVER FLOW GAUGE FED 02FC005

STATION ID: 08-0123-006-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEN RIVER

STORET CODE: 02
 002
 1260

DISTANCE: 143.389

REGION: 01

U T M: 17 0526700.0 4905475.0 4

LAT: 44 18 14.36 LONG: 080 39 54.97

*=INTERIM TEST-NAME: SAMPLE DATE HOUR YYYMMDD LHT

SAMPLE DATE YYMMDD	HOUR LHT	BHC BETA NG/L	BHC GAMMA NG/L	BHC ALPHA NG/L	P1BCHB	P1BCHG	P1CHLA	P1CHLG	P1DIEL	P1DMDT	P1ENDR	P1ENDS	ENDOSULP SULPHATE NG/L	ENDOSULP I NG/L	PIEND2
900116	0918	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
900220	0925	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
900320	0920	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
900418	0925	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
900523	0920	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
900619	0920	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
900820	1051	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
900918	0845	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
901016	0850	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
901120	0847	1<W	1<W	2<W	2<W	2<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	2<W	5<W
MAXIMUM		1	1	2	2	2	2	2	2	5	5	5	2	2	5
ARITH MEAN		1<A	1<A	2<A	2<A	2<A	2<A	2<A	2<A	5<A	5<A	5<A	2<A	2<A	5<A
GEOM MEAN		1<A	1<A	2<A	2<A	2<A	2<A	2<A	2<A	5<A	5<A	5<A	2<A	2<A	5<A
MINIMUM		1	1	2	2	2	2	2	2	5	5	5	2	2	5
STD DEV (GEOM *)		0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
# SAMP IN STATISTICS		9	9	9	9	9	9	9	9	9	9	9	9	9	9
% SAMP (EXCLUDED)															

*=INTERIM TEST-NAME: SAMPLE DATE HOUR YYYMMDD LHT

SAMPLE DATE YYMMDD	HOUR LHT	PIHEPE HEPTA CHLOR EPOXIDE NG/L	PIHEPT HEPACHOR NG/L	PIHIREX MIREX NG/L	PIOCHL OXCHILANE NG/L	PIOPDT OP-DDT NG/L	PIPCBT PCB TOTAL NG/L	PIPPDD PP-DDD NG/L	PIPPDE PP-DDE NG/L	PIPPDT PP-DDT NG/L	PIPTOX TOXAPHEN NG/L
900116	0918	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
900220	0925	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
900320	0920	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
900418	0925	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
900523	0920	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
900619	0920	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
900820	1051	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
900918	0845	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
901016	0850	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
901120	0847	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W
MAXIMUM		1	1	5	2	5	20	5	1	5	500
ARITH MEAN		1<A	1<A	5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A
GEOM MEAN		1<A	1<A	5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A
MINIMUM		1	1	5	2	5	20	5	1	5	500
STD DEV (GEOM *)		0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
# SAMP IN STATISTICS		9	9	9	9	9	8	9	9	9	9
% SAMP (EXCLUDED)											

(CONT'D)

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: AT TOWNSHIP ROAD, DOWNSTREAM OF PAISLEY
 STATION TYPE: RIVER

STATION ID: 08-0123-007-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02

002

1260

LAT: 44 19 06.74 LONG: 081 16 48.95

U T M: 17 0477650.0 4907075.0 4

REGION: 01

DISTANCE: 35.083

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME: SAMPLE NUMBER	FMSADP DEPTH M	FMSADP SUB-PROJ CODE	FMSADP PROJECT CODE	ALKT TOTAL AS CAC03	ALK MG/L	BOD5 5 DAY TOT-DEM. AS O	CLIDUR CHLORIDE UNF. REAC AS CL	COND25 CONDUCT. 25C UMHO/CH AT 25 C	CUUT COPPER UNF. TOT. MG/L AS CU	D0 DISSOLVED OXYGEN MG/L AS O	FCNF FECAL COLIFORM CNT /100ML	FSMF FECAL STREPTOC MF CNT /100ML
900115	1100	38805	0.30	0101	0101	221.0	221.0	0.74	14.200	585.0	0.0011<W	13.0	20AID	10<
900219	1030	38824	0.30	0103	0103	214.0	214.0		13.300	569.0	0.0011<T	13.0	8	<4
900319	1100	38843	0.30	0103	0103	145.0	145.0	2.16	7.700	375.0	0.0005<W	12.5	10<	30AID
900417	0955	38862	0.30	0101	0101	199.0	199.0	0.55	10.600	481.0	0.0120	12.5	84	128
900522	1110	38881	0.30	0101	0101	208.0	208.0	0.88	9.300	463.0	0.0020<T	12.0	368	172
900618	1105	38900	0.30	0103	0103	216.0	216.0	1.23	10.900	555.0	0.0020<T	8.0	244	48
900716	1130	38919	0.30	0101	0101	211.0	211.0	1.04	11.700	575.0	0.0010<T	9.0	172	76
900820	1055	38938	0.30	0103	0103	202.0	202.0		12.000	582.0	0.0030	10.5	68	32
900917	1120	38957	0.30	0101	0101	211.0	211.0	0.84	13.900	615.0	0.0030	10.5	244	196
901015	1116	38976	0.30	0101	0101	223.0	223.0	0.98	11.300	530.0	0.0030	10.5	90AID	52
901119	1100	38995	0.30	0101	0101	229.0	229.0	0.45	9.800	510.0	0.0040	12.0		
MAXIMUM														
ARITH MEAN														
GEOM MEAN														
MINIMUM														
STD DEV (GEOM #)														
# SAMP IN STATISTICS														
% SAMP (EXCLUDED)														
900115	1100	38805	6	1.0	0.031	0.010<	1.900	0.560	0.005<W	7.98	0.005<W	0.005<W	0.005<W	0.025
900219	1030	38824	6	1.0	0.008	0.020	1.900	0.450	0.005<W	8.12	0.005<W	0.005<W	0.005<W	0.013
900319	1100	38843	4	4.0	0.012	0.020	1.400	0.590	0.005<W	8.01	0.005<W	0.005<W	0.005<W	0.039
900417	0955	38862	6	5.0					0.008<T	8.20	0.008<T	0.008<T	0.008<T	
900522	1110	38881	6	12.0	0.004	0.020	1.400	0.760	0.005<W	8.20	0.005<W	0.005<W	0.005<W	0.085
900618	1105	38900	6	22.0	0.020	0.020	0.800	0.440	0.005<W	8.22	0.005<W	0.005<W	0.005<W	0.019
900716	1130	38919	6	20.0	0.035	0.010	0.400	0.450	0.005<W	8.32	0.005<W	0.005<W	0.005<W	0.017
900820	1055	38938	6	21.0	0.016	0.010<	0.380	0.380	0.005<W	8.27	0.005<W	0.005<W	0.005<W	0.014
900917	1120	38957	6	14.0	0.019	0.020	0.500	0.450	0.005<W	8.26	0.005<W	0.005<W	0.005<W	0.030
901015	1116	38976	6	10.0				0.690	0.005<W	8.30	0.005<W	0.005<W	0.005<W	0.025
901119	1100	38995	6	4.0	0.005	0.010	1.100	0.560	0.005<W	8.21	0.005<W	0.005<W	0.005<W	0.017

(C O N T D)

B.O.W./ SITE: NORTH SAUGEEN RIVER
 SAMPLE POINT: AT ELDERSLIE TOWNSHIP ROAD 25 AND 26
 STATION TYPE: RIVER FLOW GAUGE FED 02FC013

STATION ID: 08-0123-009-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 17 44.29 LONG: 081 07 15.46 U T H: 17 0490350.0 4904500.0 4 REGION: 01 DISTANCE: 55.360

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5 5 DAY TOT.DEM.	CLIDUR	COND25	CUUT	DO	FCMF	FSNF
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CACO3	BOD MG/L AS O	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	FECAL COLIFORM CFU /100ML	STREPTOC CFU /100ML
900115	1124	38806	0101	231.0	0.25	7.200	461.0	0.0005<W	13.0	50AID	20AID
900219	1100	38825	0103	231.0	0.69	7.400	466.0	0.0062	13.0	24	16
900319	1125	38844	0103					0.00140	12.5	24	16
900417	1020	38863	0101	205.0	0.79	6.300	421.0	0.0010	12.0	32	36
900522	1135	38882	0101	217.0	0.99	5.800	427.0	0.0010<T	9.0	184	108
900618	1135	38901	0103	217.0	1.14	5.600	423.0	0.0005<W	11.0	488	224
900716	1150	38920	0101	206.0	0.64	5.900	421.0	0.0030	8.5	500	496
900820	1115	38939	0103	215.0	0.99	5.700	423.0	0.0020<T	11.0	90AID	130
900917	1148	38958	0101	214.0	0.99	7.000	406.0	0.0030	11.0	172	236
901015	1140	38977	0101	223.0	0.59	6.200	445.0	0.0030	13.5	24	10<
901119	1127	38996	0101	229.0				0.0160	13.5	500	496
				231.0	1.14	8.700	481.0	0.0034<A	11.6	159	142
				218.6	0.79	6.580	435.2	0.0020<A	11.5	83	
				218.4	0.73	6.518	434.7	0.0005	8.5	24	16
				204.0	0.25	5.600	406.0	0.0041<A	1.7	3*	
				9.8	0.28	0.986	23.0		11	10	9
				10	9	10	10				10

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR NHS-N TOTAL	NN02UR N02-N UNF.REAC	NN03UR N03-N UNF.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PP04UR	PPUT
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	UNF.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	P04 UNF.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P
900115	1124	38806	1.0	0.038	0.010<	1.700	0.490	0.005<W	7.95	0.024	0.028
900219	1100	38825	1.0	0.026	0.020	0.700	0.310	0.005<W	8.14	0.007	0.015
900319	1125	38844	4.0					0.006<T	8.26		
900417	1020	38863	5.0					0.005<W	8.37	0.001<	0.020
900522	1135	38882	13.0	0.001<	0.010	0.500	0.390	0.005<W	8.31	0.005	0.019
900618	1135	38901	6		0.010	0.100<	0.420	0.005<W	8.47	0.005	0.018
900716	1150	38920	21.0	0.002	0.010	0.100<	0.400	0.005<W	8.38	0.009	0.025
900820	1115	38939	20.0	0.037	0.010<	0.100	0.510	0.005<W	8.41	0.001<	0.017
900917	1148	38958	15.0	0.012	0.020	0.100	0.360	0.005<W	8.43	0.001<	0.011
901015	1140	38977	11.0	0.006	0.010	0.400	0.360	0.005<W	8.34	0.001<	0.011
901119	1127	38996	3.0								

(C O N T D)

B.O.W./ SITE: NORTH SAUGEEN RIVER
 SAMPLE POINT: AT ELDERSLIE TOWNSHIP ROAD 25 AND 26
 STATION TYPE: RIVER FLOW GAUGE FED 02FC013

STATION ID: 08-0123-009-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 17 44.29 LONG: 081 07 15.46 U T M: 17 0490350.0 4904500.0 4 REGION: 01 DISTANCE: 55.360

*INTERIM TEST-NAME:		FWSTRC	FWTEHP	HNHTUR NH3-N TOTAL	NN02UR NH03UR K'DAHL N	PH	PP04UR	PPUT
SAMPLE DATE YYHHDD LMT	HOUR	SAMPLE NUMBER	WATER TEMP DEG.C	UNF-REAC MG/L AS N	UNF-REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PO4 UNF.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P
STD DEV (GEOM %)								
# SAMP IN STATISTICS			11	6	5	10	4	9
% SAMP (EXCLUDED)			14	14	28	10	42	

*INTERIM TEST-NAME: PSAHF PSEUDOINH AERUG. ZNUT

SAMPLE DATE YYHHDD LMT	HOUR	SAMPLE NUMBER	RESIDUE PARTIC. MG/L	UNF.TOT. MG/L AS ZN	ZINC
900115 1124		38806	4<	0.0017<T	
900219 1100		38825	4<	0.0022<T	
900319 1125		38844	4<	0.0300	
900417 1020		38863	4<	0.0010	
900522 1135		38882	4<	0.0020<T	
900618 1135		38901	4<	0.0010<T	
900716 1150		38920	4	0.0080	
900820 1115		38939		0.0020<T	
900917 1148		38958	4<	0.0010<T	
901015 1140		38977	4<	0.0005<W	
901119 1127		38996	4<	0.0300	
MAXIMUM					
ARITH MEAN			4	0.0049<A	
GEOM MEAN			4	0.0021<A	
MINIMUM			4	0.0005	
STD DEV (GEOM %)			1	0.0091<A	
# SAMP IN STATISTICS			1	10	
% SAMP (EXCLUDED)			88	50	

B.O.W./ SITE: OTTER CREEK

SAMPLE POINT: AT BRUCE COUNTY ROAD 16 NORTH OF WILDMAY

STATION TYPE: RIVER FLOW GAUGE WOE 02FC108

STATION ID: 08-0123-010-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SAUGREEN RIVER

STORET CODE: 02

002

1260

LAT: 44 00 55.44 LONG: 081 07 38.11 U T M: 17 0489800.0 4873375.0 4 REGION: 01 DISTANCE: 87.868

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ALK	BOD5	CLIDUR	COND25	CUUT	DO	DISOLVED OXYGEN	COPPER UNF.TOT.	FCFECAL COLIFORM	FCFECAL STREPTOC	FMFECAL STREPTOC	FMFECAL STREPTOC
SAMPLE DATE	HHMMSS LHT	DEPTH	PROJECT	CODE	TOT.DEM.	5 DAY	UNF.REAC	CONDUCT.	UNF.TOT.	AS O	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YVHMDD	LHT	M	SUB-PROJ	AS CAC03	AS O	AS O	AS CL	AT 25 C	AS CU	AS O	AS O	AS O	AS O	AS O	AS O	AS O
900115	0854	0.30	0101	273.0	0.54	20.100	634.0	0.0012-T	0.0012-T	12.5	30AID	70AID				
900219	0840	0.30	0103	269.0	0.69	19.400	621.0	0.0010-T	0.0010-T	12.0	28	20				
900319	0850	0.30	0103	231.0	0.29	16.300	542.0	0.0005-W	0.0005-W	12.5	56	4				
900417	0740	0.30	0101	227.0	0.29	15.400	550.0	0.0012-T	0.0012-T	13.0	224	292				
900522	0845	0.30	0101	247.0	0.74	14.800	541.0	0.0020-T	0.0020-T	11.5	140	140				
900618	0840	0.30	0103	255.0	1.09	15.700	581.0	0.0010-T	0.0010-T	9.0	288	256				
900716	0830	0.30	0101	268.0	0.89	13.000	571.0	0.0010-T	0.0010-T	9.5	188	600				
900820	0845	0.30	0103	243.0	0.59	14.400	608.0	0.0030	0.0030	9.5	40	56				
900917	0900	0.30	0101	279.0	0.99	14.900	608.0	0.0030	0.0030	10.0	400	600				
901015	0850	0.30	0101	277.0	0.40	18.800	620.0	0.0050	0.0050	12.0	50AID	130				
901119	0850	0.30	0101	285.0	0.40	16.000	620.0	0.0050	0.0050	12.0	50AID	130				
		0.30		285.0	1.09	20.100	634.0	0.0050	0.0050	13.0	450	292				
		0.30		259.5	0.69	16.255	590.5	0.0022-A	0.0022-A	11.0	150	121				
		0.30		258.7	0.64	16.119	589.6	0.0017-A	0.0017-A	11.0	28	4				
		0.30		221.0	0.29	13.000	541.0	0.0005	0.0005	9.0	28	4				
		11		20.3	0.27	2.242	34.8	0.0016-A	0.0016-A	1.5	9	8				
				11	9	11	11	11	11	11	10	20				

STD DEV (GEOM *)
SAMP IN STATISTICS
% SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	FWSTRC	FNTMP	NNHTUR	NN02UR	NN03UR	NNTKUR	PBUT	PH	PP04UR	PPUT
SAMPLE DATE	HHMMSS LHT	STREAM COND.	WATER TEMP	UNF.REAC	UNF.REAC	UNF.REAC	UNF.REAC	UNF.TOT.	UNF.REAC	UNF.TOT.	PHOSPHOR
YVHMDD	LHT		DEG.C	AS N	AS N	AS N	AS N	MG/L	MG/L	MG/L	AS P
900115	0854	6	1.0	0.0011	0.0030	0.0010	0.0050	0.0050	8.02	0.0050	0.014
900219	0840	6	1.0	0.0009	0.0020	0.0020	0.0050	0.0050	8.00	0.0050	0.019
900319	0850	6	3.0	0.0011	0.0020	0.0020	0.0050	0.0050	8.05	0.0050	0.034
900417	0740	6	8.0	0.0011	0.0020	0.0020	0.0050	0.0050	8.08	0.0050	0.020
900522	0845	6	10.0	0.0011	0.0020	0.0020	0.0050	0.0050	8.09	0.0050	0.020
900618	0840	6	20.0	0.0011	0.0020	0.0020	0.0050	0.0050	8.27	0.0050	0.020
900716	0830	6	17.0	0.0011	0.0020	0.0020	0.0050	0.0050	8.18	0.0050	0.030
900820	0845	6	14.0	0.0011	0.0030	0.0030	0.0050	0.0050	8.13	0.0050	0.030
900917	0900	6	10.0	0.008	0.010	0.010	0.0050	0.0050	8.08	0.0050	0.015
901015	0850	6	10.0	0.008	0.010	0.010	0.0050	0.0050	8.10	0.0050	0.015
901119	0850	6	4.0	0.008	0.010	0.010	0.0050	0.0050	8.10	0.0050	0.015

(C O N T D)

B.O.W./ SITE: OTTER CREEK

SAMPLE POINT: AT BRUCE COUNTY ROAD 16 NORTH OF HILDMAY

STATION TYPE: RIVER FLOW GAUGE MDE 02FC108

STATION ID: 08-0123-010-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SAUGEEN RIVER

STORET CODE: 02

002

1260

LAT: 44 00 55.44 LONG: 001 07 38.11 U T M: 17 0489800.0 4873375.0 4 REGION: 01 DISTANCE: 87.868

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHUR N13-N TOTAL	NN03UR N03-N UNF.REAC MG/L AS N	NN02UR N02-N UNF.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PH	PP04UR	PPUT
	MAXIMUM									
	ARITH MEAN		20.0	0.017	3.800	0.030	0.650	8.27	0.012	0.034
	GEOM MEAN		8.9	0.011	2.533	0.022	0.511	8.10	0.012	0.021
	MINIMUM		6.1		2.453		0.503	8.10		
	STD DEV (GEOM %)		1.0	0.008	1.900	0.020	0.380	8.00	0.012	0.014
#	SAMP IN STATISTICS		11	4	0.737	4	0.096	0.08	1	0.007
	% SAMP (EXCLUDED)			33	6	33	9	11	83	8

*=INTERIM	TEST-NAME:	PSAMF PSEUDOWN AERUG.	RSP	ZNUT	ZINC UNF.TOT. MG/L AS ZN
	MAXIMUM				
	ARITH MEAN				
	GEOM MEAN				
	MINIMUM				
	STD DEV (GEOM %)				
#	SAMP IN STATISTICS				
	% SAMP (EXCLUDED)				

*=INTERIM	TEST-NAME:	PSAMF PSEUDOWN AERUG.	RSP	ZNUT	ZINC UNF.TOT. MG/L AS ZN
	MAXIMUM				
	ARITH MEAN				
	GEOM MEAN				
	MINIMUM				
	STD DEV (GEOM %)				
#	SAMP IN STATISTICS				
	% SAMP (EXCLUDED)				

1990 WATER QUALITY DATA REGION 1

214

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: DURHAM CONSERVATION AREA
 STATION TYPE: RIVER

STATION ID: 08-0123-015-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02

002
1260

LAT: 44 10 47.40 LONG: 080 47 57.15 U T M: 17 0516050.0 4891650.0 4 REGION: 01 DISTANCE: 131.158

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ASUT	BODS	CCNAUR	CDUT	CLIDUR	COND25	CRUT
SAMPLE		SAMPLE	PROJECT	ALK	ARSENIC	5 DAY	BOO	CADMIUM	CHLORIDE	CONDUCT	CHROMIUM
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	UNF. TOT.	TOT. DEH.	AVAIL	UNF. TOT.	UNF. REAC	25C	UNF. TOT.
YYMMDD	LHT	M	CODE	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UNH0/CH	MG/L
				AS CAC03	AS AS	AS O	AS HCN	AS CD	AS CL	AT 25 C	AS CR
900116	0840	0.30	0101	207.0	0.001<W	0.35	0.001<W	0.0002<W	8.400	444.0	0.0018<T
900220	0840	0.30	0103	198.0	0.001<W	0.40	0.001<W	0.0002<W	7.700	419.0	0.0017<T
900320	0849	0.30	0103	132.0	0.001<W	0.94	0.001<W	NO DATAISM	5.600	302.0	NO DATAISM
900418	0850	0.30	0101	176.0	0.001<W	0.21	0.001	0.0002<W	8.000	373.0	0.0038
900523	0825	0.30	0101	183.0	0.001<W	0.74	0.001<W	0.0002<W	6.400	368.0	0.0005<W
900619	0830	0.30	0101	219.0	0.001<W	1.18	0.001<W	0.0002<W	7.500	429.0	0.0005<W
900716	0830	0.30	0101	218.0	0.001<W	1.18	0.001<W	0.0002<W	8.700	435.0	0.0005<W
900820	1010	0.30	0103	230.0	0.001<W	1.86	0.001<W	0.0002<W	8.800	448.0	0.0005<W
900918	0800	0.30	0101	240.0	0.001<W	0.79	0.001<W	0.0002<W	9.300	457.0	0.0005<W
901016	0810	0.30	0101	215.0	0.001<W	0.79	0.001<W	0.0002<W	8.300	435.0	0.0005<W
901120	0800	0.30	0101	210.0	0.001<W	0.78	0.001<W	0.0002<W	7.000	411.0	0.0005<W
MAXIMUM		0.30		240.0	0.001	1.86	0.001	0.0002	9.300	457.0	0.0038
ARITH MEAN		0.30		202.5	0.001<A	0.81	0.001<A	0.0002<A	7.791	411.0	0.0011<A
GEOM MEAN				200.2	0.001<A	0.69	0.001<A	0.0002<A	7.714	408.4	0.0008<A
MINIMUM		0.30		132.0	0.001	0.21	0.001	0.0002	5.600	302.0	0.0005
STD DEV (GEOM #)		11		30.0	0.000<A	0.47	0.000<A	0.0000<A	1.107	46.1	0.0011<A
# SAMP IN STATISTICS			10	10			10	9	11	11	9
% SAMP (EXCLUDED)											

(CONT'D)

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: DURHAM CONSERVATION AREA
 STATION TYPE: RIVER

STATION ID: 08-0123-015-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 10 47.40			LONG: 080 47 57.15			U T H: 17 0516050.0 4891650.0 4			REGION: 01			DISTANCE: 131.152		
**INTERIM TEST-NAME:			CUUT		DO	FCFIF		FEUT	FSHF	FWSTRC	FWTEMP	NIUT	MNIHUT	NH02UR
SAMPLE			COPPER		DISOLVED	FECAL		IRON	STREPTOC			NICKEL	NIH3-N	
DATE			UNF. TOT.		OXYGEN	COLIFORM		UNF. TOT.	HF	WATER		UNF. REAC	TOTAL	NO2-N
YYMMDD LHT			AS CU		AS O	/100ML		MG/L	CNT	TEMP	DEG. C	MG/L	MG/L	MG/L
			MAXIMUM		13.0	80		3.700	132	20.0		0.005	0.021	0.020
			ARITH MEAN		10.5	29		0.458-A	61	8.5		0.003-A	0.011	0.014
			GEOM MEAN		10.4	4		0.080-A	8	5.5		0.003-A	0.010	
			MINIMUM		7.0	4		0.026		1.0		0.003	0.003	0.010
			STD DEV (GEOM %)		2.0	8		1.216-A	6	6.7		0.001-A	0.006	
#			SAMP IN STATISTICS		11	8		9	40	11		9	10	7
			% SAMP (EXCLUDED)			20								30
**INTERIM TEST-NAME:			NH03UR		NNTKUR		PBUT	PH	PHNOL	PP04UR	PPUT	PSAMF	PIALDR	PIBHCA
SAMPLE			NO3-N		K'DAHL N		LEAD		PHENOLS		PHOSPHOR	PSEUDOHN		
DATE			UNF. REAC		UNF. REAC		UNF. TOT.		UNF. REAC	UNF. REAC	UNF. TOT.	AERUC.	ALDRIN	BHC
YYMMDD LHT			MG/L		MG/L		MG/L	PH	MG/L	AS P	MG/L	/100HL	MG/L	ALPHA
			AS N <td colspan="2">AS N<td>AS PB<td></td><td>PHENOL<td><td><td><td></td><td>NG/L</td></td></td></td></td></td></td>		AS N <td>AS PB<td></td><td>PHENOL<td><td><td><td></td><td>NG/L</td></td></td></td></td></td>		AS PB <td></td> <td>PHENOL<td><td><td><td></td><td>NG/L</td></td></td></td></td>		PHENOL <td><td><td><td></td><td>NG/L</td></td></td></td>	<td><td><td></td><td>NG/L</td></td></td>	<td><td></td><td>NG/L</td></td>	<td></td> <td>NG/L</td>		NG/L
900116 0840			0.500		0.520		0.005-A	7.99	1.000	0.016	0.016	0.005	1-A	1-A
900220 0840			0.400		0.370		0.005-A	8.06	1.000-A	0.001	0.005	0.005	1-A	1-A
900320 0849			0.3852		0.380		NO DATAISM	8.13	1.500	0.004	0.013	4	1-A	1-A
900418 0850			0.38871		0.370		0.005-A	8.14	1.000	0.001	0.009	4	1-A	1-A
900523 0825			0.38890		0.560		0.005-A	8.19	2.000	0.001	0.010	4	1-A	1-A
900619 0830			0.38909		0.490		0.005-A	8.23	1.000	0.005	0.008	4	1-A	1-A
900716			0.38928		0.380		0.005-A	8.43	1.000-A	0.005	0.007	4	1-A	1-A
900820 1010			0.38947		0.360		0.005-A	8.29	1.000	0.004	0.007	4	1-A	1-A
900918 0800			0.38966		0.310		0.005-A	8.26	1.000-A	0.001	0.006	4	1-A	1-A
901016 0810			0.38985		0.670		0.005-A	8.26	7.000	0.001	0.008	4	1-A	1-A
901120 0800			0.39004		0.440		0.005-A	8.16	1.500	0.001	0.006	4	1-A	1-A
			MAXIMUM		0.670		0.005	8.43	7.000	0.005	0.016	4	1	1
			ARITH MEAN		0.441		0.005-A	8.19	2.143	0.004	0.009	4	1-A	1-A
			GEOM MEAN		0.430		0.005-A	8.18	1.000	0.004	0.008	4	1-A	1-A
			MINIMUM		0.100		0.005	7.99	1.000	0.001	0.005	4	1	1
			STD DEV (GEOM %)		0.108		0.000-A	0.13	0.003	0.003	0.003	0	0-A	0-A
#			SAMP IN STATISTICS		11		9	11	7	5	11	1	9	9
			% SAMP (EXCLUDED)						36	44		90		

STATION ID: 08-0123-015-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
002
126

DISTANCE: 131.158

P1BHC													P1BHCG	P1CHLA	P1CHLG	P1DIEL	P1DMDT	P1ENDR	P1ENDS	P1ENDI	P1ENDJ
SAMPLE DATE	HOUR	SAMPLE NUMBER	BHC BETA NG/L	BHC GAMMA NG/L	CHLRDANE ALPHA NG/L	CHLRDANE GAMMA NG/L	DIELDRIN NG/L	MTHXYLLR	DMDT	ENDOSULP SULPHATE NG/L	ENDOSULP I NG/L	TOXAPHEN NG/L									
**INTERIM	TEST-NAME:	P1BHC	P1BHCG	P1CHLA	P1CHLG	P1DIEL	P1DMDT	P1ENDR	P1ENDS	P1ENDI	P1ENDJ										
900116 0840	38814	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
900220 0840	38833	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
900320 0849	38852	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
900418 0850	38871	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
900523 0825	38890	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA										
900619 0830	38909	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
900820 1010	38947	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
900918 0800	38966	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
901016 0810	38985	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
901120 0800	39004	1<W	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W										
	MAXIMUM	1	1	2	2	2	5	5	5	2	5										
	ARITH MEAN	1<A	1<A	2<A	2<A	2<A	5<A	5<A	5<A	2<A	5<A										
	GEOM MEAN	1<A	1<A	2<A	2<A	2<A	5<A	5<A	5<A	2<A	5<A										
	MINIMUM	1	1	2	2	2	5	5	5	2	5										
	STD DEV (GEOM %)	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A										
	# SAMP IN STATISTICS	9	9	9	9	9	9	9	9	9	9										
	% SAMP EXCLUDED!																				
P1HEPE													PIHEPT	P1MIRX	P1OCHL	P1OPDT	P1PCBT	P1PPDD	P1PPDE	P1PPDT	P1PTOX
SAMPLE DATE	HOUR	SAMPLE NUMBER	HEPTA EPOXIDE NG/L	HEPACHOR NG/L	HIREX NG/L	OXCHLANE NG/L	OP-DDT NG/L	PCB TOTAL NG/L	PP-DDD NG/L	PP-DDE NG/L	PP-BDT NG/L	TOXAPHEN NG/L									
**INTERIM	TEST-NAME:	P1HEPE	PIHEPT	P1MIRX	P1OCHL	P1OPDT	P1PCBT	P1PPDD	P1PPDE	P1PPDT	P1PTOX										
900116 0840	38814	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
900220 0840	38833	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
900320 0849	38852	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
900418 0850	38871	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
900523 0825	38890	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA										
900619 0830	38909	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
900820 1010	38947	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
900918 0800	38966	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
901016 0810	38985	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
901120 0800	39004	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W										
	MAXIMUM	1	1	5	2	5	20	5	1	5	500										
	ARITH MEAN	1<A	1<A	5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A										
	GEOM MEAN	1<A	1<A	5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A										
	MINIMUM	1	1	5	2	5	20	5	1	5	500										
	STD DEV (GEOM %)	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A										
	# SAMP IN STATISTICS	9	9	9	9	9	8	9	9	9	9										
	% SAMP EXCLUDED!																				

(C O N T D)

STATION ID: 08-0123-015-02

STORET CODE: 02
002
126

REGION: 01

[illegible]

B.O.W./ SITE: SAUGEEN RIVER

SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6

STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

STORET CODE: 02

002

1260

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUGEEN RIVER

*INTERIM TEST-NAME:		LAT: 44 27 22.68		LONG: 081 19 33.09		U T M: 17 0474075.0 4922390.0 4		REGION: 01		DISTANCE: 11.909	
SAMPLE DATE YYMMDD	HOUR LMT	FWSADP DEPTH M	PROJECT SUB-PROJ CODE	ALKT ALK MG/L AS CAC03	CDUT UNF. TOT. MG/L AS CD	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF. TOT. MG/L AS CU	HGUT MERCURY UNF. TOT. UG/L AS HG	NNOTFR NO2+NO3N FIL. REAC MG/L AS N	NNO2FR NO2-N FIL. REAC MG/L AS N	PBUT LEAD UNF. TOT. MG/L AS PB
900109	0830	42400	0103	202.3	0.0002<W	526	0.0041	0.01<W	2.700	0.0400	0.005<W
900118	0830	42401	0103	112.0	0.0002<W	306	0.0028	0.02<W	2.540	0.0340	0.005<W
900119	0830	42402	0103	136.0	0.0002<W	368	0.0028	0.02<W	2.540	0.0340	0.005<W
900122	1430	42403	0103	175.8	0.0002<W	438	0.0016<T	0.02<W	2.750	0.0140	0.005<W
900123	1430	42404	0103	182.8	0.0002<W	452	0.0026	0.07<T	2.570	0.0110	0.005<W
900124	1300	42405	0103	185.6	0.0002<W	462	0.0019<T	0.02<W	2.340	0.0100	0.005<W
900125	0830	42406	0103	186.1	0.0002<W	469	0.0016<T	0.02<W	2.220	0.0120	0.005<W
900129	0900	42408	0103	187.8	0.0002<W	472	0.0018<T	0.02<W	2.670	0.0100	0.005<W
900201	0830	42409	0103	177.8	0.0002<W	446	0.0022<T	0.02<W	2.810	0.0140	0.005<W
900202	0830	42410	0103	200.2	0.0002<W	490	0.0023<T	0.02<W	2.440	0.0090	0.005<W
900206	0830	42411	0103	198.8	0.0002<W	488	0.0012<T	0.02<W	2.380	0.0100	0.005<W
900214	1100	42412	0103	218.2	0.0002<W	549	0.0017<T	0.02<W	2.280	0.0090	0.005<W
900222	0815	42413	0101	194.4	0.0002<W	468	0.0017<T	0.03<T	2.250	0.0080	0.005<W
900228	0815	42414	0103	214.5	0.0002<W	521	0.0021<T	0.02<W	2.250	0.0090	0.005<W
900308	1500	42415	0103	235.4	0.0002<W	562	0.0018<T	0.02<W	2.130	0.0150	0.005<W
900312	1700	42416	0103	98.3	0.0002<W	246	0.0071	0.02<W	1.930	0.1200	0.008<T
900313	0800	42417	0103	104.5	0.0002<W	256	0.0045	0.02<W	2.000	0.0700	0.005<W
900314	1600	42418	0103	113.3	0.0002<W	275	0.0044	0.02<W	1.980	0.0500	0.005<T
900314	0800	42419	0103	118.5	0.0002<W	278	0.0030	0.04<T	1.680	0.0560	0.005<W
900314	1600	42420	0103	116.0	0.0002<W	276	0.0025<T	0.02<W	1.640	0.0680	0.007<T
900315	0800	42421	0103	116.5	0.0002<W	272	0.0021<T	0.02<W	1.400	0.0250	0.005<W
900317	1600	42422	0103	117.5	0.0002<W	273	0.0017<T	0.02<W	1.330	0.0220	0.005<W
900317	1600	42424	0103	125.8	0.0002<W	292	0.0005<W	0.02<W	6.880	0.0050	0.005<W
900319	1030	42423	0103	123.9	0.0002<W	286	0.0005<W	0.02<W	1.360	0.0320	0.005<W
900320	1600	42425	0103	159.3	0.0002<W	365	0.0005<W	0.02<W	1.470	0.0120	0.005<W
900321	1600	42426	0103	171.9	0.0002<W	399	0.0005<W	0.02<W	1.470	0.0110	0.005<W
900326	1000	42427	0103	180.5	0.0002<W	418	0.0020<T	0.02<W	1.600	0.0070	0.005<W
900327	1600	42428	0103	191.7	0.0002<W	462	0.0009<T	0.02<W	1.540	0.0070	0.005<W
900328	1600	42429	0103	198.5	0.0002<W	462	0.0011<T	0.02<W	1.890	0.0060	0.005<W
900405	0800	42430	0103	201.8	0.0002<W	466	0.0019<T	0.02<W	1.780	0.0050	0.005<W
900411	0800	42431	0103	202.6	0.0002<W	461	0.0013<T	0.02<W	1.780	0.0070	0.005<W
900419	0800	42432	0103	212.4	0.0002<W	496	0.0013<T	0.02<W	1.650	0.0040<T	0.005<T
900425	1600	42433	0103	207.2	0.0002<W	466	0.0012<T	0.02<W	1.590	0.0230	0.005<W
900425	1600	42434	0103	214.0	0.0002<W	481	0.0012<T	0.02<W	1.240	0.0110	0.005<W
900503	1600	42435	0103	234.1	0.0002<W	536	0.0015<T	0.02<W	0.980	0.0080	0.005<W
900509	0800	42436	0103	234.5	0.0002<W	544	0.0030	0.02<W	1.110	0.0060	0.006<T
900516	0800	42437	0103	230.2	0.0004<T	556	0.0020<T	0.02<W	1.110	0.0090	0.005<W
900522	1400	42438	0103	207.1	0.0002<W	445	0.0020<T	0.02<W	2.040	0.0320	0.018<T
900523	0900	42439	0103	206.0	0.0002<W	434	0.0030	0.02<W	1.640	0.0280	0.016<T
900524	1400	42440	0103	212.3	0.0002<W	451	0.0030	0.02<W	1.260	0.0120	0.017<T

(C O N T D)

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02

002

1260

DISTANCE: 11.909

REGION: 01

U T M: 17 0474075.0 4922390.0 4

LAT: 44 27 22.68 LONG: 081 19 33.09

SAMPLE DATE	HOUR	YR	TEST-NAME:	PH	POALA	POMET	PP04FR FIL-REAC MG/L	PP04 PHOSPHOR UNF.TOT. MG/L	P1ALDR	PIBHCG	P1CHLA CHLRDANE ALPHA NG/L	P1DIEL	PIDHDT	DMDT MTHXYLLR NG/L
900109	0830		42400	8.26	100<W	100<W	0.0050	0.253	40<W	40<W	10<W	1<W	40<W	40<W
900118	0830		42401	8.12	100<W	100<W	0.0330	0.220	40<W	40<W	10<W	1<W	40<W	40<W
900119	0830		42402	8.15			0.0340	0.095						
900122	1430		42403	8.16			0.0020<T	0.029						
900123	1430		42404	8.17			0.0005<T	0.030						
900124	1430		42405	8.23	100<W	100<W	0.0005<T	0.028	40<W	40<W	10<W	1<W	40<W	40<W
900125	0830		42406	8.18			0.0030	0.025						
900129	0900		42408	8.25			0.0115	0.029						
900201	0830		42407	8.18	100<W	100<W	0.0135	0.050	40<W	40<W	10<W	1<W	40<W	40<W
900202	0830		42409	8.31	100<W	100<W	0.0015<T	0.021	40<W	40<W	10<W	1<W	40<W	40<W
900206	0830		42411	8.30	100<W	100<W	0.0020<T	0.022	40<W	40<W	10<W	1<W	40<W	40<W
900214	1100		42412	8.43	100<W	100<W	0.0055	0.019	40<W	40<W	10<W	1<W	40<W	40<W
900222	0815		42413	8.45	100<W	100<W	0.0025	0.023	40<W	40<W	10<W	1<W	40<W	40<W
900228	0815		42414	8.26	100<W	100<W			40<W	40<W	10<W	1<W	40<W	40<W
900308	1500		42415	8.44	100<W	100<W			40<W	40<W	10<W	1<W	40<W	40<W
900312	1700		42416	8.00	100<W	100<W	0.0025	0.015	40<W	40<W	10<W	1<W	40<W	40<W
900313	0800		42417	8.02	100<W	100<W	0.0005<T	0.009<T						
900314	0800		42418	8.01			0.1200	0.465						
900315	0800		42419	8.06			0.0775	0.275						
900315	0800		42420	8.06			0.0475	0.225						
900317	1600		42421	8.12	100<W	160	0.0280	0.168						
900319	1030		42422	8.12	100<W	100<W	0.0240	0.178						
900319	1030		42423	8.09	100<W	100<W	0.0140	0.128						
900320	1600		42424	8.24	100<W	100<W	0.0160	0.105						
900320	1600		42425	8.24	100<W	100<W	0.0085	0.083						
900321	1600		42426	8.26			0.0025	0.036						
900321	1600		42427	8.24			0.0015	0.028						
900326	1000		42428	8.29			0.0005<W	0.024						
900327	1600		42429	8.32			0.0010<T	0.026						
900328	1600		42430	8.38			0.0005<T	0.014						
900405	0800		42431	8.47	100<W	100<W	0.0005<W	0.014						
900411	0800		42432	8.44	100<W	100<W	0.0025	0.014						
900419	0800		42433	8.40	100<W	100<W	0.0005<T	0.009<T						
900425	1600		42434	8.50	100<W	100<W	0.0005<W	0.019						
900503	1600		42435	8.50	100<W	100<W	0.0010<W	0.014	40<W	40<W	10<W	1<W	40<W	40<W
900509	0800		42436	8.70	100<W	100<W	0.0010<T	0.019	40<W	40<W	10<W	1<W	40<W	40<W
900516	0800		42437	8.45	100<W	100<W	0.0005<W	0.023	40<W	40<W	10<W	1<W	40<W	40<W
900522	1400		42438	8.23	100<W	100<W	0.0070	0.053	40<W	40<W	10<W	1<W	40<W	40<W
900523	0900		42439	8.29			0.0015<T	0.041						
900524	1400		42440	8.40			0.0015<T	0.025						

(C O N T D)

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGUYNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 27 22.68 LONG: 081 19 33.09 U T H: 17 0474075.0 4922390.0 4 REGION: 01 DISTANCE: 11.909

*=INTERIM	TEST-NAME:	PH	POALA	PONET	PP04FR P04	PPUT PHOSPHOR	PIALDR	P1BHCG	P1CHLA	P1DIEL	P1DHDT
SAMPLE DATE	TIME	TH	ALACHLOR	METALA- CHLOR	FIL REAC MG/L	UNF TOT MG/L	ALDRIN	GAMMA	CHLDRANE ALPHA	DIELDRIN	DHDT
YYMMDD	LMT		MG/L	MG/L	AS P	AS P	MG/L	MG/L	MG/L	MG/L	MG/L
900529	1000	8.45	100<W	100<W	0.0030	0.017	40<W	40<W	10<W	1<W	40<W
900604	1200	8.34	100<W	100<W	0.0005<W	0.018	40<W	40<W	10<W	1<W	40<W
900612	1100	8.35	100<W	100<W	0.0005<T	0.017	40<W	40<W	10<W	1<W	40<W
900617	0900	8.36	100<W	100<W	0.0010<T	0.016	40<W	40<W	10<W	1<W	40<W
900626	1100	8.73	100<W	100<W	0.0005<T	0.016	40<W	40<W	10<W	1<W	40<W
900704	1400	8.47	100<W	100<W	0.0005<T	0.016	40<W	40<W	10<W	1<W	40<W
900710	1030	8.39	100<W	100<W	0.005 <T	0.018	40<W	40<W	10<W	1<W	40<W
900716	1400	8.37	100<W	100<W	0.0005<W	0.012	40<W	40<W	10<W	1<W	40<W
900725	1045	8.50	100<W	100<W	0.0005<W	0.018	40<W	40<W	10<W	1<W	40<W
900730	1430	8.36	100<W	100<W	0.0015<W	0.011	40<W	40<W	10<W	1<W	40<W
900807	1100	8.35	100<W	100<W	0.0030	0.007<T	40<W	40<W	10<W	1<W	40<W
900816	0930	8.50	100<W	100<W	0.0015<T	0.019	40<W	40<W	10<W	1<W	40<W
900821	1210	8.37	100<W	100<W	0.0015<T	0.015	40<W	40<W	10<W	1<W	40<W
900905	1230	8.27	100<W	100<W	0.0005<W	0.012	40<W	40<W	10<W	1<W	40<W
900910	1130	8.53	100<W	100<W	0.0005<W	0.013	40<W	40<W	10<W	1<W	40<W
900918	1300	8.47	100<W	100<W	0.0005<T	0.016	40<W	40<W	10<W	1<W	40<W
900925	0900	8.42	100<W	100<W	0.0020<T	0.011	40<W	40<W	10<W	1<W	40<W
901001	0900	8.41	100<W	100<W	0.0125U	0.010U	40<W	40<W	10<W	1<W	40<W
901011	1400	8.41	100<W	100<W	0.0020<T	0.037	40<W	40<W	10<W	1<W	40<W
901015	0900	8.34	100<W	100<W	0.0020<T	0.035	40<W	40<W	10<W	1<W	40<W
901022	0900	8.44	100<W	100<W	0.0010<T	0.030	40<W	40<W	10<W	1<W	40<W
901029	0900	8.47	100<W	100<W	0.0025	0.008<T	40<W	40<W	10<W	1<W	40<W
901105	0830	8.43	100<W	100<W	0.0020<T	0.012	40<W	40<W	10<W	1<W	40<W
901112	0830	8.37	100<W	100<W	0.0010<T	0.027	40<W	40<W	10<W	1<W	40<W
901119	0830	8.37	100<W	100<W	0.0015<T	0.016	40<W	40<W	10<W	1<W	40<W
901126	1400	8.33	100<W	100<W	0.0010<T	0.019	40<W	40<W	10<W	1<W	40<W
901127	0900	8.40	100<W	100<W	0.0015<T	0.029	40<W	40<W	10<W	1<W	40<W
901128	0800	8.26	100<W	100<W	0.0325	0.182	40<W	40<W	10<W	1<W	40<W
901129	0800	8.43	100<W	100<W	0.0225	0.115	40<W	40<W	10<W	1<W	40<W
901130	0800	8.43	100<W	100<W	0.0030	0.055	40<W	40<W	10<W	1<W	40<W
901203	0800	8.49	100<W	100<W	0.0005<T	0.013	40<W	40<W	10<W	1<W	40<W
901210	0800	8.37	100<W	100<W	0.0080	0.039	40<W	40<W	10<W	1<W	40<W
901210	0800	8.73	100	160	0.1200	0.465	40	40	10	1	40
901210	0800	8.33	100<A	101<A	0.009 <A	0.054<A	40<A	40<A	10<A	1<A	40<A
901210	0800	8.33	100<A	101<A	0.003 <A	0.030<A	40<A	40<A	10<A	1<A	40<A
901210	0800	8.00	100	100	0.0005	0.007	40	40	10	1	40
901210	0800	0.15	0<A	9<A	0.020 <A	0.079<A	0<A	0<A	0<A	0<A	0<A
901210	0800	73	44	44	71	71	36	36	36	36	36

STD DEV (GEOM %)
 % SAMP IN STATISTICS
 % SAMP (EXCLUDED)

(C O N T I D)

B.O.M./ SITE: SAUGEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TRIBUTARY: SAUGEN RIVER

STORET CODE: 02
 002
 1260

*=INTERIM	TEST-NAME:	PIENDR	PIENDT	PIHEPE HEPTA CHLOR	PIHEPT	PIHIREX	PIOPDT	PIPCBT	PIPPDE	PIPPDT	PZATRA
SAMPLE DATE	HOUR	ENDRIN NG/L	ENDOSULP TOTAL NG/L	EPOXIDE NG/L	HEPACHOR NG/L	NIREX NG/L	OP-DDT NG/L	PCB TOTAL NG/L	PP-BDE NG/L	PP-DDT NG/L	ATRAZINE NG/L
900109	0830	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900118	0830	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900124	1300	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900129	1300	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	150
900201	0830	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900206	0830	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900214	1100	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900222	0815	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900228	0815	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900308	1500	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900312	1700	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	170
900315	1600	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	180
900319	1600	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	90
900405	0800	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	430
900411	0800	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	400
900419	0800	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900425	1600	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900503	1600	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900509	0800	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	130
900516	0800	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900522	1400	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	410
900529	1000	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	80
900604	1200	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	300
900612	1100	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	60
900617	0900	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900626	1100	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900704	1400	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900710	1030	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	170
900716	1400	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	190
900725	1045	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	150
900730	1430	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900807	1100	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900816	0930	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900821	1210	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900905	1230	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900910	1130	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900918	1300	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
900925	0900	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
901001	0900	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	80
901001	1400	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	300
901011	1400	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
901015	0900	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W

(C O N T D)

B.O.W./ SITE: SAUGREEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGREEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 27 22.68 LONG: 081 19 33.09 U T M: 17 0474075.0 4922390.0 4 REGION: 01 DISTANCE: 11.909

*INTERIM TEST-NAME:		PIENDR	PIENDT	PIHEPE HEPTA CHLOR	PIHEPT	PIHIREX	PIOPDT	PIPCBT	PIPPDE	PIPPDT	P2ATRA
SAMPLE DATE YYMMDD LMT	SAMPLE HOUR	ENDRIN NG/L	ENDOSULP TOTAL NG/L	EPOXIDE NG/L	HEPACHOR NG/L	HIREX NG/L	OP-DDT NG/L	TOTAL NG/L	PP-DDE NG/L	PP-DDT NG/L	ATRAZINE NG/L
901022 0900	42460	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
901112 0830	42463	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
901119 0830	42464	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	5700
901126 1400	42465	20<W	5<W	2<W	40<W	40<W	2<W	6<W	1<W	2<W	20<W
MAXIMUM		20	5	2	40	40	2	6	1	2	5700
ARITH MEAN		20<A	5<A	2<A	40<A	40<A	2<A	6<A	1<A	2<A	217<A
GEOM MEAN		20<A	5<A	2<A	40<A	40<A	2<A	6<A	1<A	2<A	50<A
HINIHM		20	5	2	40	40	2	6	1	2	20
STD DEV (GEOM %)		0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	854<A
# SAMP IN STATISTICS		36	36	36	36	36	36	36	36	36	44
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		P2CYAN	P2CYPR	P2DATR	P2PROH	P2SENC	P2SINH	P3DICA	P3MCPA	P3MCPB	P3MCPD
SAMPLE DATE YYMMDD LMT	SAMPLE HOUR	CYNAZINE NG/L	CYPRAZIN NG/L	DE-ETYL ATRAZINE NG/L	PROMETON NG/L	SENCOR NG/L	SIHAZINE NG/L	DICAHBA NG/L	HCPA NG/L	HCPCB NG/L	HCPCD NG/L
900109 0830	42400	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900118 0830	42401	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900124 1300	42405	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900129 1300	42407	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900201 0830	42409	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900206 0830	42411	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900214 1100	42411	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900222 0815	42412	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900228 0815	42413	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900228 0815	42414	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900308 1500	42415	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900312 1700	42416	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900315 1600	42422	20<W	20<W	130	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900319 1600	42425	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900326 1000	42428	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900405 0800	42431	20<W	20<W	560	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900411 0800	42432	20<W	20	560	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900419 0800	42433	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900425 1600	42434	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900503 1600	42435	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900509 0800	42436	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900516 0800	42437	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W
900522 1400	42438	20<W	20<W	200	20<W	20<W	20<W	100<W	100<W	100<W	100<W

(C O N T D)

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

*=INTERIM TEST-NAME: LAT: 44 27 22.68 LONG: 081 19 33.09 U T M: 17 0474075.0 4922390.0 4 REGION: 01 DISTANCE: 11.909

SAMPLE DATE Y1MDD LHT	THOUR	SAMPLE NUMBER	CYNAMINE NG/L	P2CYAN	P2CYPR	P2DATR	PROMETON NG/L	SENCOR NG/L	SIMAZINE NG/L	P2SIH	P3DICA	P3MCPA	P3HCPB	P3MCPB	HCPB NG/L	HCPB NG/L	HCPB NG/L
900529 1000		42441	20<W	20<W	20<W	120	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900604 1200		42442	20<W	20<W	20<W	200	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900612 1100		42443	20<W	20<W	20<W	160	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900617 0900		42444	20<W	20<W	20<W	160	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900626 1100		42445	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900704 1400		42446	20<W	20<W	20<W	590	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900710 1030		42447	20<W	20<W	20<W	110	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900716 1400		42448	20<W	20<W	20<W	160	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900725 1045		42448	20<W	20<W	20<W	120	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900730 1430		42449	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900807 1100		42450	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900816 0930		42451	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900821 1210		42452	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900905 1230		42453	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900910 1130		42454	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900918 1300		42455	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
900925 0900		42456	20<W	20<W	20<W	80	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
901001 0900		42457	20<W	20<W	20<W	130	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
901011 1400		42458	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
901015 0900		42459	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
901022 0900		42460	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
901112 0830		42463	20<W	20<W	20<W	90	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
901119 0830		42464	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
901126 1400		42465	20<W	20<W	20<W	20<W	20<W	20<W	20<W	20<W	100<W	100<W	100<W	100<W	100<W	100<W	100<W
MAXIMUM			20	20	20	590	20	20	20	20	100	100	100	100	100	100	100
ARITH MEAN			20<A	20<A	20<A	90<A	20<A	20<A	20<A	20<A	100<A	100<A	100<A	100<A	100<A	100<A	100<A
GEOM MEAN			20	20	20	42<A	20<A	20<A	25<A	25<A	100<A	100<A	100<A	100<A	100<A	100<A	100<A
H1N1H1H			20	20	20	143<A	20	20	20	20	100	100	100	100	100	100	100
STD DEV (GEOM #)			0<A	0<A	0<A	143<A	0<A	0<A	998<A	998<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
# SAMP IN STATISTICS			44	44	44	44	44	44	44	44	43	43	43	43	43	43	43
% SAMP (EXCLUDED)																	

(CONT'D)

B.O.M./ SITE: SAUGEEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 27 22.68		LONG: 081 19 33.09		U T M: 17 06474075.0 4922390.0 4		REGION: 01		DISTANCE: 11.909			
*INTERIM TEST-NAME:		P3SILV	P324D	P324DB	P324DP	P3245T	P4CLFN CHLORO FENVIN	P4DEMT	P4DIAZ	P4DIME	P4DURS
SAMPLE DATE	HOUR	SILVEX NG/L	2,4-D NG/L	2,4-DB NG/L	2,4-DP NG/L	2,4,5-T NG/L	PHOS NG/L	DEMETON NG/L	DIAZINON NG/L	DIMETHOK NG/L	DURSBAH NG/L
900109	0830	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900118	0830	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900124	1300	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900129	1300	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900201	0830	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900206	0830	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900214	1100	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900222	0815	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900228	0815	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900308	1500	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900315	1600	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900319	1600	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900326	1000	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900405	0800	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900411	0800	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900419	0800	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900425	1600	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900503	1600	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900516	0800	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900522	1400	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900529	1000	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900604	1200	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900612	1100	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900617	0900	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900626	1100	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900704	1400	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900710	1030	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900716	1400	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900725	1045	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900730	1430	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900807	1100	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900816	0930	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900821	1210	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900905	1230	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900910	1130	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900918	1300	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
900925	0900	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
901001	0900	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
901011	1400	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
901015	0900	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
901022	0900	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W

(C O N T D)

B.O.W./ SITE: SAUGEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOYNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 27 22.68 LONG: 081 19 33.09 U T M: 17 0474075.0 4922390.0 4

DISTANCE: 11.909

REGION: 01

*INTERIM TEST-NAME:		P3STLV	P324D	P324DB	P324DP	P324ST	P4CLFN CHLORO FENVIN	P4DEHT	P4DIAZ	P4DIME	P4DURS
SAMPLE DATE YYMMDD LHT	DATE HOUR	SILVEX NG/L	2,4-D NG/L	2,4-DB NG/L	2,4-DP NG/L	2,4,5-T NG/L	PHOS NG/L	DEMETON NG/L	DIAZINON NG/L	DI METHOK NG/L	DURS BAN NG/L
901112 0830	42463	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
901119 0830	42464	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
901126 1400	42465	100<W	100<W	500<W	100<W	100<W	1000<W	1000<W	50<W	250<W	100<W
MAXIMUM		100	100	500	100	100	1000	1000	50	250	100
ARITH MEAN		100<A	100<A	500<A	100<A	100<A	1000<A	1000<A	50<A	250<A	100<A
GEOM MEAN		100<A	100<A	500<A	100<A	100<A	1000<A	1000<A	50<A	250<A	100<A
MINIMUM		100	100	500	100	100	1000	1000	50	250	100
STD DEV (GEOM *)		0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
# SAMP IN STATISTICS		43	43	43	43	43	36	36	36	36	36
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		P4ETHI	P4GUTH	P4LEPO	P4MALA	P4PALO	P4PARA	P4PHET	P6CARB	P6CARY	P6CYCL
SAMPLE DATE YYMMDD LHT	DATE HOUR	ETHION NG/L	GUTHION NG/L	LEPTPHOS NG/L	MALTHION NG/L	PHOSLONE NG/L	PARTHION NG/L	PHOSMET NG/L	CARBO- FURAN NG/L	CARBARYL NG/L	CYCLOATE NG/L
900109 0830	42400	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900118 0830	42401	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900124 1300	42405	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900129 1300	42407	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900201 0830	42409	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900206 0830	42411	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900214 1100	42412	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900222 0815	42413	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900228 0815	42414	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900308 1500	42415										
900315 1600	42422										
900319 1600	42425										
900326 1000	42428										
900405 0800	42431										
900411 0800	42432										
900419 0800	42433										
900425 1600	42434										
900503 1600	42435	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900509 0800	42436										
900516 0800	42437	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900522 1400	42438										
900529 1000	42441	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900604 1200	42442	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W

(C O N T D)

B.O.W./ SITE: SAUGEN RIVER
 SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6
 STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERN STREAM: SAUGEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 27 22.68 LONG: 081 19 33.09 U T M: 17 0474075.0 4922390.0 4 REGION: 01 DISTANCE: 11.909

*=INTERIM	TEST-NAME:	P4ETHI	P4GUTH	P4LEPO	P4HALA	P4PALO	P4PARA	P4PHET	P6CARB	P6CARY	P6CYCL
SAMPLE DATE YYMMDD	TIME LHT	ETHION NG/L	GUTHION NG/L	LEPTPHOS NG/L	MALTHION NG/L	PHOSLONE NG/L	PARTHION NG/L	PHOSMET NG/L	CARBO- FURAN NG/L	CARBARYL NG/L	CYCLOATE NG/L
900612	1100	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900617	0900	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900626	1100	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900704	1400	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900710	1030	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900716	1400	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900725	1045	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900730	1430	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900807	1100	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900816	0930	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900821	1210	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900905	1230	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900910	1130	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900918	1300	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
900925	0900	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901001	0900	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901011	1400	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901015	0900	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901022	0900	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901029	0900	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901105	0830	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901112	0830	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901119	0830	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
901126	1400	100<W	5000<W	1000<W	100<W	500<W	50<W	2000<W	1000<W	1000<W	1000<W
MAXIMUM		100	5000	1000	100	500	50	2000	1000	1000	1000
ARITH MEAN		1000<A	5000<A	1000<A	100<A	500<A	50<A	2000<A	1000<A	1000<A	1000<A
GEOM MEAN		1000<A	5000<A	1000<A	100<A	500<A	50<A	2000<A	1000<A	1000<A	1000<A
MINIMUM		100	5000	1000	100	500	50	2000	1000	1000	1000
STD DEV (GEOM *)		0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
# SAMP IN STATISTICS		36	36	36	35	36	36	36	47	47	47
% SAMP (EXCLUDED)											

(CONT'D)

B.O.W./ SITE: SAUGEEN RIVER

STATION ID: 08-0123-030-82

SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SAUGEEN RIVER

1260

LAT: 44 27 22.68 LONG: 081 19 33.09 U T M: 17 0474075.0 4922390.0 4 REGION: 01 DISTANCE: 11.909

*=INTERIM	TEST-NAME:	P6EPH	P6WOLI	P6PEBU	P6SUTN	P6VERN	RSP
SAMPLE DATE YYMMDD LMT	TIME HOUR	TEST-NAME:	SAMPLE NUMBER	TEST-NAME:	SAMPLE NUMBER	TEST-NAME:	SAMPLE NUMBER
900109 0830	42400	1000<W	1000<W	1000<W	1000<W	1000<W	269.0
900118 0830	42401	1000<W	1000<W	1000<W	1000<W	1000<W	154.0
900119 0830	42402						28.3
900122 1430	42403						12.5
900123 1430	42404						11.5
900124 1300	42405	1000<W	1000<W	1000<W	1000<W	1000<W	17.4
900125 0830	42406						12.7
900129 0900	42408						12.3
900129 1300	42407	1000<W	1000<W	1000<W	1000<W	1000<W	22.9
900201 0830	42409	1000<W	1000<W	1000<W	1000<W	1000<W	12.8
900202 0830	42410						9.9
900206 0830	42411	1000<W	1000<W	1000<W	1000<W	1000<W	3.3
900214 1100	42412	1000<W	1000<W	1000<W	1000<W	1000<W	20.2
900222 0815	42413	1000<W	1000<W	1000<W	1000<W	1000<W	
900228 0815	42414	1000<W	1000<W	1000<W	1000<W	1000<W	4.4
900308 1500	42415	1000<W	1000<W	1000<W	1000<W	1000<W	5.8
900312 1700	42416						427.5
900313 0800	42417						229.3
900314 1600	42418						214.3
900314 0800	42419						160.4
900315 1600	42420						151.7
900315 0800	42421	1000<W	1000<W	1000<W	1000<W	1000<W	131.7
900317 1600	42422						101.2
900319 1030	42424						43.6
900319 1030	42423	1000<W	1000<W	1000<W	1000<W	1000<W	58.0
900320 1600	42425						31.3
900320 1600	42426	1000<W	1000<W	1000<W	1000<W	1000<W	17.2
900321 1600	42427						15.4
900326 1000	42428						14.4
900327 1600	42429						6.8
900328 1600	42430						5.8
900405 0800	42431	1000<W	1000<W	1000<W	1000<W	1000<W	14.7
900411 0800	42432	1000<W	1000<W	1000<W	1000<W	1000<W	6.5
900419 0800	42433	1000<W	1000<W	1000<W	1000<W	1000<W	12.1
900425 1600	42434	1000<W	1000<W	1000<W	1000<W	1000<W	6.5
900503 1600	42435	1000<W	1000<W	1000<W	1000<W	1000<W	9.5
900509 0800	42436	1000<W	1000<W	1000<W	1000<W	1000<W	5.8
900516 0800	42437	1000<W	1000<W	1000<W	1000<W	1000<W	6.7
900522 1400	42438	1000<W	1000<W	1000<W	1000<W	1000<W	39.1
900523 0900	42439						30.1
900524 1400	42440						16.8

B.O.W./ SITE: SAUGEEN RIVER

SAMPLE POINT: BRUCE CO ROAD 3, NORTH OF BURGOWNE SR-6

STATION TYPE: RIVER FLOW GAUGE FED 02FC001

STATION ID: 08-0123-030-82

STORET CODE: 02

002

1260

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SAUGEEN RIVER

LAT: 44 27 22.68 LONG: 081 19 33.09 U T M: 17 0474075.0 4922390.0 4 REGION: 01 DISTANCE: 11.909

*=INTERIM	TEST-NAME:	P6EPTH	P6HOLI	P6PEBU	P6SUTN	P6VERN	RSP	RESIDUE PARTIC. MG/L
SAMPLE DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
YINDD	LHT	YINDD	LHT	YINDD	LHT	YINDD	LHT	YINDD
SAMPLE NUMBER	DATE	SAMPLE NUMBER	DATE	SAMPLE NUMBER	DATE	SAMPLE NUMBER	DATE	SAMPLE NUMBER
900529	1000	42441	1000<W	1000<W	1000<W	1000<W	10.1	10.1
900604	1200	42442	1000<W	1000<W	1000<W	1000<W	11.3	11.3
900612	1100	42443	1000<W	1000<W	1000<W	1000<W	14.3	14.3
900617	0900	42444	1000<W	1000<W	1000<W	1000<W	7.9	7.9
900626	1100	42445	1000<W	1000<W	1000<W	1000<W	9.6	9.6
900704	1400	42446	1000<W	1000<W	1000<W	1000<W	11.2	11.2
900710	1030	42447	1000<W	1000<W	1000<W	1000<W	7.4	7.4
900716	1400	42448	1000<W	1000<W	1000<W	1000<W	7.3	7.3
900725	1045	42449	1000<W	1000<W	1000<W	1000<W	8.5	8.5
900730	1430	42450	1000<W	1000<W	1000<W	1000<W	6.5	6.5
900807	1100	42451	1000<W	1000<W	1000<W	1000<W	11.2	11.2
900816	0930	42452	1000<W	1000<W	1000<W	1000<W	13.0	13.0
900821	1210	42453	1000<W	1000<W	1000<W	1000<W	12.8	12.8
900905	1230	42454	1000<W	1000<W	1000<W	1000<W	5.8	5.8
900910	1130	42455	1000<W	1000<W	1000<W	1000<W	14.4	14.4
900918	1300	42456	1000<W	1000<W	1000<W	1000<W	9.6	9.6
900925	0900	42457	1000<W	1000<W	1000<W	1000<W	4.5	4.5
901001	0900	42458	1000<W	1000<W	1000<W	1000<W	7.1	7.1
901011	1400	42459	1000<W	1000<W	1000<W	1000<W	16.9	16.9
901015	0900	42460	1000<W	1000<W	1000<W	1000<W	16.7	16.7
901022	0900	42461	1000<W	1000<W	1000<W	1000<W	4.2	4.2
901029	0900	42462	1000<W	1000<W	1000<W	1000<W	3.9	3.9
901025	0830	42463	1000<W	1000<W	1000<W	1000<W	9.2	9.2
901112	0830	42464	1000<W	1000<W	1000<W	1000<W	8.0	8.0
901119	0830	42465	1000<W	1000<W	1000<W	1000<W	8.7	8.7
901126	1400	42466	1000<W	1000<W	1000<W	1000<W	16.5	16.5
901127	0900	42467	1000<W	1000<W	1000<W	1000<W	83.9	83.9
901128	0800	42468	1000<W	1000<W	1000<W	1000<W	63.1	63.1
901129	0800	42469	1000<W	1000<W	1000<W	1000<W	46.8	46.8
901130	0800	42470	1000<W	1000<W	1000<W	1000<W	9.4	9.4
901203	0800	42471	1000<W	1000<W	1000<W	1000<W	20.6	20.6
901210	0800	42471	1000<W	1000<W	1000<W	1000<W	427.5	427.5
901210	0800	42471	1000<W	1000<W	1000<W	1000<W	39.9	39.9
901210	0800	42471	1000<W	1000<W	1000<W	1000<W	17.2	17.2
901210	0800	42471	1000<W	1000<W	1000<W	1000<W	3.3	3.3
901210	0800	42471	1000<W	1000<W	1000<W	1000<W	72.8	72.8
901210	0800	42471	1000<W	1000<W	1000<W	1000<W	71	71

STD DEV (GEOM #)
SAMP IN STATISTICS
% SAMP (EXCLUDED)

1990 WATER QUALITY DATA REGION 1

230

B.O.W./ SITE: SAUGREEN RIVER

SAMPLE POINT: AT CONC. ROAD 2.5 MILES EAST OF CARGILL

STATION TYPE: RIVER

STATION ID: 08-0123-038-02

STORET CODE: 02

002

1260

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUGREEN RIVER

DISTANCE: 63.889

REGION: 01

U T M: 17 0484400.0 4894500.0 4

LAT: 44 12 19.81 LONG: 081 11 42.89

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ASUT	BODE	BOD	CLIDUR	COND25	CUUT	D0	FCHF
SAMPLE	DATE	DEPTH	PROJECT	ALK	ARSENIC	5 DAY	CHLORIDE	UNF.REAC	CONDUCT.	COPPER	DISSOLVED	FECAL
YHMDH LHT	YHMDH LHT	H	SUB-PROJ	TOTAL	UNF.TOT.	TOT.DEM.	MG/L	MG/L	AT 25 C	UNF.TOT.	OXYGEN	COLIFORM
			CODE	AS CAC03	AS AS	AS O	AS CL	AS O		AS CU	MG/L	HF
											AS O	/100ML
900219 1130	38828	0.30	0103	225.0	0.001<W	1.18	12.600	590.0	0.0010<T	0.0010<T	13.0	44
900319 1155	38847	0.30	0103	159.0	0.001<W	1.68	7.900	401.0	0.0005<W	0.0005<W	10.0	50AID
900417 1100	38866	0.30	0101	211.0	0.001<W	0.45	10.500	507.0	0.0093	0.0093	12.5	1240
900522 1300	38885	0.30	0101	205.0	0.001<W	0.98	8.800	457.0	0.0020<T	0.0020<T	12.0	200
900618 1245	38904	0.30	0103	217.0	0.001<W	1.18	10.500	574.0	0.0020<T	0.0020<T	8.0	8
900716 1320	38923	0.30	0101	209.0	0.001<W	0.98	11.700	632.0	0.0020<T	0.0020<T	10.0	60
900820 1240	38942	0.30	0103	212.0	0.001<W	1.68	12.200	633.0	0.0060	0.0060	10.0	40AID
900917 1300	38961	0.30	0101	223.0	0.001<W	1.13	12.100	612.0	0.0030	0.0030	11.5	228
901015 1301	38980	0.30	0101	228.0	0.001<W	1.03	11.100	551.0	0.001<W	0.001<W	11.5	50AID
901119 1235	38999	0.30	0101	229.0	0.001<W	1.03	9.100	519.0	0.0040	0.0040	13.0	50AID
MAXIMUM		0.30		229.0	0.001	1.68	12.600	633.0	0.0093	0.0093	13.0	1240
ARITH MEAN		0.30		211.8	0.001<A	1.14	10.650	547.6	0.003<A	0.003<A	11.1	213
GEOM MEAN				210.8	0.001<A	1.08	10.535	542.4	0.002<A	0.002<A	11.0	79
MINIMUM		0.30		159.0	0.001	0.45	7.900	401.0	0.0005	0.0005	8.0	8
STD DEV (GEOM %)				20.4	0.000<A	0.38	1.600	76.9	0.003<A	0.003<A	1.6	4*
# SAMP IN STATISTICS		10		10	10	9	10	10	10	10	10	9
% SAMP (EXCLUDED)												
*=INTERIM	TEST-NAME:	FEUT	FSMF	FWSTRC	FWTEMP	NNHTR	NNHTR	NNHTR	NNHTR	NNHTR	NNHTR	NNHTR
SAMPLE	DATE	DEPTH	PROJECT	ALK	ARSENIC	5 DAY	CHLORIDE	UNF.REAC	CONDUCT.	COPPER	DISSOLVED	FECAL
YHMDH LHT	YHMDH LHT	H	SUB-PROJ	TOTAL	UNF.TOT.	TOT.DEM.	MG/L	MG/L	AT 25 C	UNF.TOT.	OXYGEN	COLIFORM
			CODE	AS CAC03	AS AS	AS O	AS CL	AS O		AS CU	MG/L	HF
											AS O	/100ML
900219 1130	38828	0.073<T	20	6	1.0	0.014	0.020	1.800	0.490	0.490	0.005<W	8.14
900319 1155	38847	0.290	10AID	4	4.0	0.010	0.020	1.300	0.540	0.540	0.005<W	8.07
900417 1100	38866	0.500	40	6	5.0	0.013	0.020	1.400	0.490	0.490	0.005<W	8.22
900522 1300	38885	0.340	84	6	13.0	0.001<	0.010	1.100	0.720	0.720	0.005<W	8.24
900618 1245	38904	0.080<T	8	6	22.0	0.016	0.020	0.800	0.440	0.440	0.005<W	8.25
900716 1320	38923	0.080<T	40	6	21.0	0.009	0.010	0.600	0.390	0.390	0.005<W	8.36
900820 1240	38942	0.070<T	20	6	20.0	0.011	0.010<	0.500	0.370	0.370	0.005<W	8.25
900917 1300	38961	0.130	20	6	13.0	0.011	0.020	0.600	0.820	0.820	0.013<T	8.25
901015 1301	38980	0.170	80	6	11.0				0.520	0.520	0.005<W	8.27
901119 1235	38999	0.070<T	28	6	4.0							

(CONTD)

STATION ID: 08-0123-038-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
002
1260

LAT: 44 12 19.81 LONG: 081 11 42.89 U T M: 17 0484400.0 4894500.0 4 REGION: 01 DISTANCE: 63.889

REGION: 01

DISTANCE: 63.889

*=INTERIM	TEST-NAME:	FEUT	FSMF	FWSTRC	FWTEMP	NNHTUR	NNH2UR	NNH3UR	NNHTUR	PBUT	PH
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	FECAL	K' DAHL N
T90N STREPTICUS	NH ₃ -N TOTAL	NOC-N TOTAL

SAMPLE	TOTAL		UNF. REAC		UNF. REAC		UNF. TOT.	
	UNF. TOT.	MF	WATER	UNF. REAC	UNF. REAC	UNF. REAC	UNF. REAC	UNF. TOT.
SAMPLE								

[illegible]

MAXIMUM	5.500	84	22.0	0.016	0.020	1.800	0.820	0.013	8.36
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	37	11.4	0.012	0.017	1.012	0.513	0.006<A	8.23
ARITH MEAN	0.680<A							
GFOM MEAN	0.175<A							

[illegible]

#	SAMP IN STATISTICS	STD DEV (GEOM %)	1.696<A	2*	7.8					
10	10	7	0.151	0.003<A	0.08					
7	7	7	0.464	0.003<A	0.08					

	12	12
% SAMP (EXCLUDED)		

#=INTERIM	TEST-NAME:	PHNOL	PP04UR	PPUT	PSMF	RSP	RST	ZHUT
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PSEUDOMONAS
AERUGINOSA
DROGUA
MEDICAMENTO

SAMPLE	UNF-REAC	UNF, REAC	UNF, TOT.	MF	RESIDUE	RESIDUE	UNF, TOT.
1							
2							
3							
4							
5							
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DATE	HOUR	SAMPLE	UG/L	MG/L	CNT	FILTERED	PARTIC.	TOTAL	MG/L
YYYYMMDD	LMT	NUMBER	PHENOL	AS P	/100ML	MG/L	MG/L	MG/L	AS 70%

Year	Number of cases	Rate per 100,000	95% CI
1982-1985	3887	1.000	0.009
1986-1989	3887	1.000	0.009
1990-1993	3887	1.000	0.009
1994-1997	3887	1.000	0.009
1998-2001	3887	1.000	0.009
2002-2005	3887	1.000	0.009
2006-2009	3887	1.000	0.009
2010-2013	3887	1.000	0.009
2014-2017	3887	1.000	0.009
2018-2021	3887	1.000	0.009
2022-2025	3887	1.000	0.009
2026-2029	3887	1.000	0.009
2030-2033	3887	1.000	0.009
2034-2037	3887	1.000	0.009
2038-2041	3887	1.000	0.009
2042-2045	3887	1.000	0.009
2046-2049	3887	1.000	0.009
2050-2053	3887	1.000	0.009
2054-2057	3887	1.000	0.009
2058-2061	3887	1.000	0.009
2062-2065	3887	1.000	0.009
2066-2069	3887	1.000	0.009
2070-2073	3887	1.000	0.009
2074-2077	3887	1.000	0.009
2078-2081	3887	1.000	0.009
2082-2085	3887	1.000	0.009
2086-2089	3887	1.000	0.009
2090-2093	3887	1.000	0.009
2094-2097	3887	1.000	0.009
2098-2101	3887	1.000	0.009
2102-2105	3887	1.000	0.009
2106-2109	3887	1.000	0.009
2110-2113	3887	1.000	0.009
2114-2117	3887	1.000	0.009
2118-2121	3887	1.000	0.009
2122-2125	3887	1.000	0.009
2126-2129	3887	1.000	0.009
2130-2133	3887	1.000	0.009
2134-2137	3887	1.000	0.009
2138-2141	3887	1.000	0.009
2142-2145	3887	1.000	0.009
2146-2149	3887	1.000	0.009
2150-2153	3887	1.000	0.009
2154-2157	3887	1.000	0.009
2158-2161	3887	1.000	0.009
2162-2165	3887	1.000	0.009
2166-2169	3887	1.000	0.009
2170-2173	3887	1.000	0.009
2174-2177	3887	1.000	0.009
2178-2181	3887	1.000	0.009
2182-2185	3887	1.000	0.009
2186-2189	3887	1.000	0.009
2190-2193	3887	1.000	0.009
2194-2197	3887	1.000	0.009
2198-2201	3887	1.000	0.009
2202-2205	3887	1.000	0.009
2206-2209	3887	1.000	0.009
2210-2213	3887	1.000	0.009
2214-2217	3887	1.000	0.009
2218-2221	3887	1.000	0.009
2222-2225	3887	1.000	0.009
2226-2229	3887	1.000	0.009
2230-2233	3887	1.000	0.009
2234-2237	3887	1.000	0.009
2238-2241	3887	1.000	0.009
2242-2245	3887	1.000	0.009
2246-2249	3887	1.000	0.009
2250-2253	3887	1.000	0.009
2254-2257	3887	1.000	0.009
2258-2261	3887	1.000	0.009
2262-2265	3887	1.000	0.009
2266-2269	3887	1.000	0.009
2270-2273	3887	1.000	0.009
2274-2277	3887	1.000	0.009
2278-2281	3887	1.000	

	900417	1100	38866	1,000<	0,003	4<	330.0	0.0160
	900522	1300	38885	1,500	0,001<	4<		0.0070

900618	1245	38904	1.000<	0.003	4<	371.0	0.0020<T
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[illegible]

900917 1300	38961	1.000<	0.001<	0.010	4	398.0	27.2	0.0010<†
900915 1701	70000	1.500		0.001	4	398.0	27.2	0.0010<†

Year	Number of cases	Rate per 100,000	Rate per 1,000 live births
1981	30,780	12	358.0
1982	30,780	12	358.0
1983	30,780	12	358.0
1984	30,780	12	358.0
1985	30,780	12	358.0
1986	30,780	12	358.0
1987	30,780	12	358.0
1988	30,780	12	358.0
1989	30,780	12	358.0
1990	30,780	12	358.0
1991	30,780	12	358.0
1992	30,780	12	358.0
1993	30,780	12	358.0
1994	30,780	12	358.0
1995	30,780	12	358.0
1996	30,780	12	358.0
1997	30,780	12	358.0
1998	30,780	12	358.0
1999	30,780	12	358.0
2000	30,780	12	358.0
2001	30,780	12	358.0
2002	30,780	12	358.0
2003	30,780	12	358.0
2004	30,780	12	358.0
2005	30,780	12	358.0
2006	30,780	12	358.0
2007	30,780	12	358.0
2008	30,780	12	358.0
2009	30,780	12	358.0
2010	30,780	12	358.0
2011	30,780	12	358.0
2012	30,780	12	358.0
2013	30,780	12	358.0
2014	30,780	12	358.0
2015	30,780	12	358.0
2016	30,780	12	358.0
2017	30,780	12	358.0
2018	30,780	12	358.0
2019	30,780	12	358.0
2020	30,780	12	358.0
2021	30,780	12	358.0
2022	30,780	12	358.0
2023	30,780	12	358.0
2024	30,780	12	358.0
2025	30,780	12	358.0
2026	30,780	12	358.0
2027	30,780	12	358.0
2028	30,780	12	358.0
2029	30,780	12	358.0
2030	30,780	12	358.0
2031	30,780	12	358.0
2032	30,780	12	358.0
2033	30,780	12	358.0
2034	30,780	12	358.0
2035	30,780	12	358.0
2036	30,780	12	358.0
2037	30,780	12	358.0
2038	30,780	12	358.0
2039	30,780	12	358.0
2040	30,780	12	358.0
2041	30,780	12	358.0
2042	30,780	12	358.0
2043	30,780	12	358.0
2044	30,780	12	358.0
2045	30,780	12	358.0
2046	30,780	12	358.0
2047	30,780	12	358.0
2048	30,780	12	358.0
2049	30,780	12	358.0
2050	30,780	12	358.0
2051	30,780	12	358.0
2052	30,780	12	358.0
2053	30,780	12	358.0
2054	30,780	12	358.0
2055	30,780	12	358.0
2056	30,780	12	358.0
2057	30,780	12	358.0
2058	30,780	12	358.0
2059	30,780	12	358.0
2060	30,780	12	358.0
2061	30,780	12	358.0
2062	30,780	12	358.0
2063	30,780	12	358.0
2064	30,780	12	358.0</

MAXIMUM	6 500	0 000	0 000	12	400	6	6 000

	ARITH MEAN	3,000	0,005	0,022	8	371.3	27.2	402.7	0.0100	0.0035<A
ARITH MEAN		3,000	0,005	0,022	8	371.3	27.2	402.7	0.0100	0.0035<A

GEOM MEAN	0.019	366.0	395.4	0.0023<A
MINIMUM	0.003	267.5	316.0	0.0010

STD DEV (GEOM #)	0.013	67.8	94.9	0.0045<A

* SAMPLING STRATAGIES		9	7	2	8	3	10
% SAMP (EXCLUDED)	60	25		77		25	

B.O.W./ SITE: TEESWATER RIVER
 SAMPLE POINT: AT COUNTY ROAD 1
 STATION TYPE: RIVER

STATION ID: 08-0123-039-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGREEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 18 02.73 LONG: 081 16 50.90 U T N: 17 0477600.0 4905100.0 4 REGION: 01 DISTANCE: 39.589

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	FCNF	FEUT	FSMF	FMSTRC
SAMPLE DATE YYMMDD	TEST-NAME:	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK MG/L AS CACO3	CHLORIDE UNF .REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF .TOT. MG/L AS CU	FECAL COLIFORM CNT /100ML	IRON UNF .TOT. MG/L AS FE	STREPTOC CNT /100ML	FMSTRC
900115 1024	38803	0.30	0101	200.0	17.200	542.0	0.0016<T	20AID	0.074<T	40AID	6
900219 0955	38822	0.30	0103	198.0	16.700	542.0	0.0015<T	16	0.060<T	8	6
900319 1000	38841	0.30	0103	132.0	8.900	346.0	0.0005<W	4	0.150	8	4
900417 0910	38860	0.30	0101	190.0	13.700	460.0	0.0018<T	32	0.250	80	6
900522 1025	38879	0.30	0103	199.0	11.700	447.0	0.0020<T	228	0.230	104	6
900618 1025	38898	0.30	0103	227.0	18.900	536.0	0.0020<T	208	0.090<T	84	6
900716 1015	38917	0.30	0101	221.0	17.200	512.0	0.0010<T	112	0.090<T	80	6
900820 1015	38936	0.30	0103	202.0	22.700	517.0	0.0020<T	32	0.080<T	124	6
900917 1024	38955	0.30	0101	223.0	22.900	549.0	0.0020<T	44	0.050<T	52	6
901015 1029	38974	0.30	0101	243.0	17.900	578.0	0.0040	24	0.120	16	6
901119 1110	38993	0.30	0101	238.0	15.400	531.0	0.0030	24	0.070<T	16	6

MAXIMUM
 ARITH MEAN
 GEOM MEAN
 MINIMUM
 STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	FWTEMP	NNHTUR	NNH2UR	NNH3UR	NNHTUR	PH	PHNOL	PPHOUR	PPUT
SAMPLE DATE YYMMDD	TEST-NAME:	WATER TEMP DEG.C	UNF .REAC MG/L AS N	NO2-N MG/L AS N	NO3-N MG/L AS N	UNF .REAC MG/L AS N	PH	PHENOLS UNF .REAC UG/L PHENOL	PO4 UNF .REAC MG/L AS P	PHOSPHOR UNF .TOT. MG/L AS P
900115 1024	38803	1.0	0.024	0.010<	2.600	0.750	7.81	1.000	0.005	0.020
900219 0955	38822	4.0	0.005	0.030	2.900	0.680	7.96	1.000	0.007	0.012
900319 1000	38841	1.0	0.013	0.020	2.000	0.600	7.86	1.000	0.010	0.029
900417 0910	38860	5.0	0.027	0.020	2.100	0.660	8.11	1.500	0.002	0.034
900522 1025	38879	0.022	0.020	0.020	2.000	0.920	8.11	2.000	0.001<	0.024
900618 1025	38898	22.0	0.028	0.030	1.400	0.610	8.17	1.000	0.003	0.015
900716 1015	38917	20.0	0.028	0.010	0.500	0.630	8.24	1.000<	0.007	0.015
900820 1015	38936	19.0	0.021	0.010<	0.300	0.490	8.07	1.000<	0.012	0.014
900917 1024	38955	13.0	0.014	0.020	0.400	0.450	8.21	1.000<	0.001<	0.010
901015 1029	38974	13.0	0.019	0.020	2.500	0.950	8.21	7.500	0.001<	0.018
901119 1110	38993	3.0	0.017	0.010	1.900	0.770	8.18	2.000	0.001<	0.011

(C O N T D)

1990 WATER QUALITY DATA REGION 1

234

B.O.W./ SITE: PEARL CREEK

SAMPLE POINT: AT CONCESSION ROAD 12 AND 13 BRANT TWP.

STATION ID: 08-0123-042-02

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUCEEN RIVER

STORET CODE: 02

002
1260

LAT: 44 14 42.56 LONG: 081 10 15.44

U T H: 17 0406350.0 4898900.0 4

REGION: 01 DISTANCE: 56.165

*-INTERIM TEST-NAME:

FWSADP

FGPROJ

CLIDUR

COND25

CONDUCT.

FCHF

FWSTRC

FMTMP

NNH2UR

SAMPLE DATE

SAMPLE DEPTH

PROJECT SUB-PROJ

CHLORIDE UNF .REAC

CONDUCT. 25C

FCHF COLIFORM

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

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UNH0/CH

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FMTMP

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SAMPLE NUMBER

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CODE

AS CL

UNH0/CH

CNT /100ML

FWSTRC

FMTMP

NNH2UR

SAMPLE NUMBER

H

CODE

AS CL

UNH0/CH

CNT /100ML

STATION ID: 08-0123-042-02

STORET CODE: 02
002
126

REGION: 01 DISTANCE: 56.165

TEST-NAME:	INTERIM	WNOZUR	NITKUR K'DAHL N TOTAL	PH	PPO4UR	PPUT	PSAHF PSEUDONH AERUG.	RSP
SAMPLE DATE	HOUR	N03-N UNF. REAC HG/L	UNF. REAC NG/L		P04 UNF. REAC HG/L	PHOSPHOR UNF. TOT. HG/L	HF CNT	RESIDUE PARTIC. MG/L
YYYYMMDD	LMT	AS N	AS N	PH	AS P	AS P	/100HL	
980607	0000	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0100	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0200	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0300	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0400	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0500	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0600	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0700	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0800	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	0900	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1000	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1100	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1200	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1300	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1400	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1500	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1600	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1700	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1800	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	1900	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	2000	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	2100	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	2200	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	2300	0.00	0.00	7.5	0.00	0.00	0.00	0.00
980607	2400	0.00	0.00	7.5	0.00	0.00	0.00	0.00

MAXIMUM	5.200	1.100	8.26	0.041	0.154	8	71.1
ARITH MEAN	2.200	0.692	8.05	0.013	0.050	6	25.3
GEOM MEAN	1.188	0.675	8.05				
HARMON	0.100	0.470	7.78	0.002	0.025	4	7.4
STD DEV (GEOM %)	1.869	0.196	0.13		0.036		
# SAMP IN STATISTICS	11	11	11	10	11	2	10
% SAMP (EXCLUDED)				9	9	80	9

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: AT CONC. ROAD 4 AND 5 SAUGEEN TOWNSHIP
 STATION TYPE: RIVER

STATION ID: 08-0123-043-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 21 59.01 LONG: 081 18 51.76

U T M: 17 0674950.0 4912400.0 4

REGION: 01

DISTANCE: 27.358

*=INTERIM	TEST-NAME:	FMSADP	FPROJ	ALKT	ALK TOTAL	BO05 5 DAY TOT.DEN.	CLIDUR	COND25 CONDUCT. 25C	CUUT	DO	FCNF FECAL COLIFORM	FSMF FECAL STREPTOC
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	CODE	AS CAC03	AS O	CHLORIDE UNF.REAC	UNH0/CH MG/L	COPPER UNF.TOT.	DISSOLVED OXYGEN	HF CNT	HF CNT
YYMMDD	LMT	M					AS CL	AT 25 C	MG/L	AS CU	/100HL	/100HL
900121	1100	49303	0101	250.0	0.01<	0.01<	13.800	577.0	0.0020<T	13.0	44	72
900219	1020	38823	0103	214.0	2.26	2.26	14.200	552.0	0.0005<W	13.0	8	8
900319	1036	38842	0103	147.0	1.68	1.68	7.900	480.0	0.0024<T	12.0	20AID	112
900417	0935	38861	0101	201.0	0.59	0.59	10.900	465.0	0.0018<A	12.5	84	144
900522	1055	38880	0103	217.0	0.93	0.93	9.900	465.0	0.0020<T	11.5	404	16
900618	1045	38899	0103	210.0	0.74	0.74	11.100	556.0	0.0010<T	9.0	84	68
900716	1040	38918	0101	202.0	1.08	1.08	11.100	566.0	0.0010<T	10.0	40	36
900820	1030	38937	0103	193.0			11.500	548.0	0.0030	11.0	24	120
900917	1105	38956	0101	207.0	0.64	0.64	13.700	616.0	0.0030	11.0	92	28
901015	1100	38975	0101	225.0	0.94	0.94	11.600	558.0	0.0005<W	12.5	76	
901119	1046	38994	0101	231.0	0.35	0.35	9.700	508.0	0.0005<W	12.5	76	
901219	1020	38823	0103	250.0	2.26	2.26	14.200	616.0	0.0022<A	11.4	90	62
900319	1036	38842	0103	208.8	1.02	1.02	11.400	525.4	0.0018<A	11.3	55	44
900417	0935	38861	0101	207.2	0.35	0.35	11.249	521.1	0.0005	9.0	8	3*
900522	1055	38880	0103	147.0	25.9	25.9	7.900	373.0	0.0014<A	1.4	3*	10
900618	1045	38899	0101	25.9	9	9	1.917	66.4	0.0014<A	1.4	10	10
900716	1040	38918	0101	11	11	11	11	11	0.0014<A	1.4	10	10
900820	1030	38937	0103	11	11	11	11	11	0.0014<A	1.4	10	10
900917	1105	38956	0101	11	11	11	11	11	0.0014<A	1.4	10	10
901015	1100	38975	0101	11	11	11	11	11	0.0014<A	1.4	10	10
901119	1046	38994	0101	11	11	11	11	11	0.0014<A	1.4	10	10

STD DEV (GEOM *)
 % SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	FMSRTR	FWTEMP	NNHTUR NH3-N	NN02UR NH2-N	NN03UR NH3-N	NNTKUR K'DAHL N	PBUT	PH	PP04UR	PPUT
SAMPLE DATE	HOUR	SAMPLE NUMBER	WATER TEMP	UNF.REAC	UNF.REAC	UNF.REAC	UNF.REAC	LEAD UNF.TOT.	UNF.REAC	PH4	PHOSPHOR UNF.TOT.
YYMMDD	LMT		DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	AS P	MG/L
900121	1100	49303	1.0	0.016	0.010<	1.700	0.530	0.005<W	8.28	0.005	0.011
900219	1020	38823	1.0	0.004	0.030	2.000	0.450	0.005<W	8.13	0.008	0.016
900319	1036	38842	4.0	0.014	0.030	1.400	0.620	0.005<W	7.98	0.010	0.038
900417	0935	38861	5.0	0.016	0.020	1.400	0.580	0.005<W	8.24	0.004	0.053
900522	1055	38880	12.0	0.001<	0.020	1.500	0.830	0.005<W	8.18	0.001<	0.015
900618	1045	38899	6	0.031	0.020	0.800	0.460	0.005<W	8.27	0.003	0.015
900716	1040	38918	6	0.016	0.010	0.300	0.440	0.005<W	8.36	0.001	0.014
900820	1030	38937	23.0	0.017	0.010<	0.300	0.380	0.005<W	8.39	0.010	0.012
900917	1105	38956	6	0.006	0.020	0.500	0.360	0.005<W	8.32	0.001<	0.016
901015	1100	38975	6	0.006	0.020	0.500	0.600	0.005<W	8.27	0.005	0.025
901119	1046	38994	6	0.006	0.020	0.500	0.530	0.005<W	8.24	0.005	0.014

(CONT'D)

B.O.W./ SITE: SAUGEEN RIVER
 SAMPLE POINT: AT CONC. ROAD 4 AND 5 SAUGEEN TOWNSHIP
 STATION TYPE: RIVER

STATION ID: 08-0123-043-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAK: SAUGEEN RIVER

STORET CODE: 02
 002
 1260

LAT: 44 21 59.01 LONG: 081 18 51.76

REGION: 01 DISTANCE: 27.358

* = INTERIM TEST-NAME:

FWSTRC

FWTEMP

NNHTUR

NN02UR

NN03UR

NNTKUR

PBUT

PH

PP04UR

PPUT

SAMPLE
 DATE HOUR
 YYMMDD LHT

SAMPLE
 NUMBER
 COND.

STREAM
 COND.

WATER
 TEMP
 DEG.C

UNF.REAC
 MG/L
 AS N

UNF.REAC
 MG/L
 AS N

UNF.REAC
 MG/L
 AS N

UNF.REAC
 MG/L
 AS N

UNF.TOT.
 MG/L
 AS PB

UNF.REAC
 MG/L
 AS P

UNF.TOT.
 MG/L
 AS P

PHOSPHOR
 UNF.TOT.
 MG/L
 AS P

MAXIMUM
 ARITH MEAN
 GEOM MEAN
 MINIMUM
 STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

23.0
 10.5
 6.8
 1.0
 8.2
 11
 11

0.031
 0.015
 0.004
 0.010
 0.030
 0.021
 0.830
 0.525
 0.511
 0.360
 0.133
 11
 22

0.005
 0.005<A
 0.005<A
 0.005
 0.000<A
 10
 11
 7
 22

0.010
 0.006
 0.001
 0.011
 11
 7
 10
 22

* = INTERIM TEST-NAME:

PSEUDOINH

RSP

ZNUZ

ZINC

ZINC

ZINC

ZINC

ZINC

ZINC

ZINC

SAMPLE
 DATE HOUR
 YYMMDD LHT

SAMPLE
 NUMBER

HF
 CHT
 /100HL

RESIDUE
 PARTIC.
 MG/L

UNF.TOT.
 MG/L
 AS ZN

UNF.TOT.
 MG/L
 AS ZN

UNF.TOT.
 MG/L
 AS ZN

UNF.TOT.
 MG/L
 AS ZN

UNF.TOT.
 MG/L
 AS ZN

UNF.TOT.
 MG/L
 AS ZN

UNF.TOT.
 MG/L
 AS ZN

UNF.TOT.
 MG/L
 AS ZN

49303
 900219 1100
 900219 1020
 900319 1036
 900417 0935
 900522 1055
 900618 1045
 900716 1040
 900820 1030
 900917 1105
 901015 1100
 901119 1046

4.6
 5.0<
 34.7
 0.0025<T
 0.0027
 0.0020<T
 0.0020<T
 0.0020<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0005<W

0.0025<T
 0.0027
 0.0020<T
 0.0020<T
 0.0020<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0005<W

0.0025<T
 0.0027
 0.0020<T
 0.0020<T
 0.0020<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0005<W

0.0025<T
 0.0027
 0.0020<T
 0.0020<T
 0.0020<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0005<W

0.0025<T
 0.0027
 0.0020<T
 0.0020<T
 0.0020<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0010<T
 0.0005<W

MAXIMUM
 ARITH MEAN
 GEOM MEAN
 MINIMUM
 STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

8
 8
 8
 4.6
 2
 50

0.0027
 0.0017<A
 0.0015<A
 0.0005
 0.0007<A
 10
 50

0.0027
 0.0017<A
 0.0015<A
 0.0005
 0.0007<A
 10
 50

0.0027
 0.0017<A
 0.0015<A
 0.0005
 0.0007<A
 10
 50

0.0027
 0.0017<A
 0.0015<A
 0.0005
 0.0007<A
 10
 50

B.O.W./ SITE: TEESWATER RIVER
SAMPLE POINT: AT CHEPSTOW
STATION TYPE: RIVER

STATION ID: 08-0123-044-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: SAUGEEN RIVER

STORET CODE: 02 00; 12

LAT: 44 09 07.88 LONG: 081 17 10.87 U T M: 17 0477100.0 4888600.0 4 REGION: 01 DISTANCE: 67.591

[illegible][illegible][illegible]

(CONT'D)

B.O.N./ SITE: SOUTH SAUGEN RIVER
 SAMPLE POINT: AT 7TH.AVE SOUTH OF HANOVER
 STATION TYPE: RIVER

STATION ID: 08-0123-046-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAK: SAUGEN RIVER

STORET CODE: 02
 002
 1260

DISTANCE: 96.880

REGION: 01

U T M: 17 0497700.0 4886550.0 4

LAT: 44 08 02.72 LONG: 081 01 43.51

FMSADP

FMSDF

CUUT

COND25

ALKT

FSPROJ

FMSADP

FMSADP

FMSADP

FMSADP

FMSDF

FMSDF

CUUT

COND25

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(CONT'D)

1990 WATER QUALITY DATA REGION 1

B.O.W./ SITE: SOUTH SAUGREEN RIVER
 SAMPLE POINT: PROTON TWP, CONC 8 2.3 KM E OF
 STATION TYPE: RIVER

GREY CO RD 14

STATION ID: 08-0123-047-02

STORET CODE:

LAT: 44 05 12.05										LONG: 080 30 41.81										U T M: 17 0539100.0 4881400.0 4										REGION: 01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
*=INTERIM					TEST-NAME:					FWADP					FGPROJ					ALKT					BOD5					CLIDUR					COND25					CUUT					FCHF					FSMF					FMSTRC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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900116	1000	38816	0.30	0101	205.0	0.01<	7.500	450.0	0.0042	10AID	10<	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
900320	1000	38854	0.30	0103	138.0	0.88	5.100	324.0	0.0005<W	12	32	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
900418	1000	38873	0.30	0101	183.0	0.50	7.300	385.0	0.0007<T	24	8	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
900523	1000	38892	0.30	0101	181.0	0.74	5.200	366.0	0.0010<T	60	40	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
900619	1000	38911	0.30	0101	233.0	1.87	4.700	425.0	0.0010<T	48	48	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
900716		38930	0.30	0101	251.0	1.43	3.700	456.0	0.0020<T	320	110	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
900820	1136	38949	0.30	0103	256.0	3.56	4.700	473.0	0.0020<T	448	312	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
900918	0930	38968	0.30	0101	235.0	0.94	7.200	464.0	0.0030	40	60	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
901016	0925	38987	0.30	0101	222.0	0.02<	10.400	502.0	0.0030	12	8	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
901120	0931	39006	0.30	0101	251.0	3.56	10.400	502.0	0.0042	448	312	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		MAXIMUM	0.30		256.0	1.42	6.140	426.9	0.0019<A	116	77	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		ARITH MEAN	0.30		212.5	0.50	5.884	423.6	0.0016<A	43	8	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		GEOM MEAN	0.30		138.0		3.700	324.0	0.0005	10		6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		MINIMUM	0.30		38.4		1.967	54.4	0.0013<A	4*	8	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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*=INTERIM					TEST-NAME:					FWTEMP					NNHTUR					NN02UR					NN03UR					NNTKUR					PBTU					PH					PP04UR					PPUT					PSAMF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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(CONT'D)

B.O.W./ SITE: SOUTH SAUCEEN RIVER
 SAMPLE POINT: PROTON TWP, CONC 8 2.3 KM E OF
 STATION TYPE: RIVER

STATION ID: 08-0123-047-02

STORET CODE:

LAT: 44 05 12.05 LONG: 080 30 41.81 U T M: 17 0539100.0 4881400.0 4 REGION: 01

*INTERIM TEST-NAME:		RSP	ZNUT	ZINC
SAMPLE	DATE HOUR	RESIDUE	UNF. TOT.	MG/L
YHND LMT	SAMPLE	PARTIC.	AS ZN	AS ZN
	NUMBER	MG/L		
900116	1000	38816	0.0061	
900320	1000	38854	0.0014<T	
900418	1000	38873	0.0014<T	
900523	1000	38892	0.0030	
900619	1000	38911	0.0010<T	
900820	1136	38949	5.0<	
900918	0930	38968	10.3	
901016	0925	38987	0.0010<T	
901120	0931	39006	0.0010<T	
MAXIMUM		10.3	0.0061	
ARITH MEAN		6.8	0.0022<A	
GEOM MEAN		3.4	0.0017<A	
MINIMUM		3.4	0.0010	
STD DEV (GEOM #)		2	0.0018<A	
# SAMP IN STATISTICS		2		
% SAMP (EXCLUDED)		33		

B.O.W./ SITE: SOUTH SAUGEN RIVER
 SAMPLE POINT: AT EGREMONT-PROTON TOWN, GREY CO
 STATION TYPE: RIVER

STATION ID: 08-0123-048-02

STORET CODE:

LAT: 44 02 08.29 LONG: 080 34 52.67 U T M: 17 0535550.0 4875700.0 4 REGION: 01

TEST-NAME:		FWSADP	FGPROJ	ALKT	ASUT		BOD5		CLIDUR		COND25	CUUT		FCMF		FSMF	
SAMPLE		SAMPLE	PROJECT	ALK	ARSENIC		5 DAY		CHLORIDE		CONDUCT.	COPPER		FECAL		FECAL	
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	UNF. TOT.	MG/L	TOT. DEN.	MG/L	UNF. REAC	MG/L	25C	UNF. TOT.	MG/L	COLIFORM	HF	STREPTOC	HF
YYMMDD	LMT	M	CODE	AS CAC03	AS AS	AS O	AS O	AS O	AS CL	AS CL	AT 25 C	AS CU	AS CU	/100ML	/100ML	/100ML	/100ML
900116	1025	0.30	0101	222.0			0.30	8.100	479.0	0.0008<T	10<	20AID		10<		20AID	
900220	1022	0.30	0103	200.0			0.94	7.300	425.0	0.0006<T	4	16		4		16	
900320	1012	0.30	0103							0.0005<W	4<	96		24		96	
900418	1020	0.30	0101	183.0	0.001<W		0.49	7.600	391.0	0.0010<T	24	12		24		12	
900523	1020	0.30	0101	189.0			0.74	5.500	380.0	0.0010<T	72	16		72		16	
900619	1025	0.30	0101	236.0			1.96	4.300	441.0	0.0010<T	70A	60A		70A		60A	
900716		0.30	0101	251.0			1.08	6.000	463.0	0.0020<T		20		180		20	
900820	1152	0.30	0103	213.0			2.08	8.300	471.0	0.0020<T	32	48		32		48	
900918	0950	0.30	0101	248.0			0.84	7.300	455.0	0.0030	8	4		8		4	
901016	0944	0.30	0101	214.0			0.54	6.200	428.0	0.0030							
901120	0946	0.30	0101	214.0													
		0.30		251.0	0.001		2.08	8.300	479.0	0.0030	180	96		180		96	
		0.30		217.2	0.001<A		1.00	6.710	439.9	0.0015<A	52	34		52		34	
		0.30		216.1			0.84	6.595	438.7	0.0013<A	4	24		4		24	
		0.30		183.0	0.001		0.30	4.300	380.0	0.0005	4	3*		4		3*	
		11		23.2			0.63	1.249	33.8	0.0010<A	9	10		8		10	
# SAMP IN STATISTICS				10	1		9	10	10	9				20			
% SAMP (EXCLUDED)																	
TEST-NAME:		FWSTRC	FWTEMP	NNHTUR	NN02UR		NN03UR		NNTKUR		PBUT	PH	PP04UR	PPUT		PHOSPHOR	
SAMPLE		STREAM	WATER	NH3-N	NO2-N		NO3-N		K'DAHL N		LEAD		P04	PHOSPHOR		PHOSPHOR	
DATE	HOUR	COND.	TEMP	UNF. REAC	UNF. REAC	UNF. REAC	UNF. REAC	UNF. REAC	UNF. REAC	UNF. REAC	UNF. TOT.	AS PB	UNF. REAC	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT		DEG.C	AS N	AS N	AS N	AS N	AS N	AS N	AS N	AS PB	AS PB	AS P	AS P	AS P	AS P	AS P
900116	1025	4	1.0	0.032	0.010<		0.600	0.020	0.500	0.520	0.005<W	7.57	0.005<W	0.005	0.014	0.014	0.014
900220	1022	4	1.0	0.008			0.500				0.005<W	7.46	0.005<W	0.001<	0.014	0.014	0.014
900320	1012	6	1.0							0.500	0.005<W	7.86	0.005<W	0.001<	0.016	0.016	0.016
900418	1020	6	2.0	0.028	0.010		0.400	0.010	0.200	0.780	0.005<W	7.95	0.005<W	0.007	0.024	0.024	0.024
900523	1020	6	12.0	0.007	0.020		0.100	0.020	0.100	0.920	0.005<W	8.32	0.005<W	0.016	0.016	0.016	0.016
900619	1025	6	18.0	0.009	0.010		0.100	0.010	0.100	0.870	0.005<W	8.23	0.005<W	0.017	0.017	0.017	0.017
900716		6	21.0	0.003	0.010<		0.100	0.010	0.100	0.710	0.005<W	7.86	0.005<W	0.012	0.012	0.012	0.012
900820	1152	6	15.0	0.007			0.100	0.010	0.100	0.750	0.005<W	7.87	0.005<W	0.008	0.008	0.008	0.008
900918	0950	6	10.0							0.560	0.005<W		0.005<W				
901016	0944	6	8.0														
901120	0946	6	3.0														

(C O N T D)

1990 WATER QUALITY DATA REGION 1

B.O.W./ SITE: SOUTH SAUCEEN RIVER
 SAMPLE POINT: AT EGERMONT-PROTON TOWN, GREY CO
 STATION TYPE: RIVER
 STATION ID: 08-0123-048-02
 STORET CODE:

LAT: 44 02 08.29 LONG: 080 34 52.67 U T H: 17 0533550.0 4875700.0 4 REGION: 01

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NNHTUR	NNH3-N	NNH2UR	NNH3UR	NNHTUR	K'DAHL N	PH	PP04UR	PPUT
SAMPLE DATE	HOUR	STREAM	WATER	UNF.REAC	UNF.REAC	UNF.REAC	UNF.REAC	UNF.REAC	UNF.REAC	LEAD	PO4	PHOSPHOR
VYHHDD LHT	LHT	COND.	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	AS PB	AS P	MG/L
			DEG.C	AS N	AS N	AS N	AS N	AS N	AS N	AS PB	AS P	AS P
			21.0	0.032	0.020	0.600	0.920	0.005	0.005	8.32	0.007	0.024
			8.4	0.013	0.013	0.360	0.701	0.005<A	0.005<A	7.92	0.006	0.015
			4.8	0.010			0.687	0.005<A	0.005<A	7.92		0.015
			1.0	0.003	0.010	0.100	0.500	0.005	0.005	7.46	0.005	0.008
			7.4	0.011			0.149	0.000<A	0.000<A	0.27		0.005
			11	8	6	5	9	9	9	10	2	8
					25	37					60	

*INTERIM TEST-NAME: PSEUDOHM AERUG. HF

SAMPLE DATE HOUR SAMPLE NUMBER RSP ZNUT ZINC UNF.TOT. PARTIC. MG/L AS ZN

900116	1025	38817	4<	0.0030	0.0014<T
900220	1022	38836	4<	0.0019<T	
900320	1012	38855	4<	0.0020<T	
900418	1020	38874	4<	0.0010<T	
900523	1020	38893	4<	0.0020<T	
900619	1025	38912	4<	0.0010<T	
900716		38931	4<	0.0020<T	
900820	1152	38950	4<	0.0010<T	
900918	0950	38969	4<	0.0010<T	
901016	0944	38988	4<	0.0010<T	
901120	0946	39007	4<	0.0010<T	

MAXIMUM ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM #)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

4.6

4.6

4.6

1

75

B.O.M./ SITE: SAUBLE RIVER
 SAMPLE POINT: AT BRIDGE FIRST CONCESSION NORTH OF TARA
 STATION TYPE: RIVER FLOW GAUGE MOE 02FA101

STATION ID: 08-0135-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TRIBUTARY: SAUBLE RIVER

STORET CODE: 02
 002
 1410

DISTANCE: 44,899

REGION: 01

U T M: 17 0486795.0 4924925.0 4

LAT: 44 28 46.08 LONG: 081 09 57.75

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	BOD	CLIDUR	COND25	CUUT	D0	DISOLVED OXYGEN	FCFCH	FCFEC	FSHMF
SAMPLE DATE	YYMMDD LHT	DEPTH	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	ALK TOTAL	5 DAY TOT. DEVI.	CHLORIDE UNF. REAC	CONDUCT. 25C UNH/CH	COPPER UNF. TOT.	D0	D0	COLIFORM	STREPTOC	STREPTOC
NUMBER	NUMBER	M	M	AS CAC03	MG/L	MG/L	AS CL	AT 25 C	MG/L	AS O	MG/L	CHT	CHT	CHT
900123	1145	0.30	0101	174.0	0.74	10.600	450.0	0.0016-T	0.0016-T	11.0	44	52		
900227	1550	0.30	0101	237.0	0.89	13.200	526.0	0.0009-T	0.0009-T	14.0	12	20		
900327	1145	0.30	0101	206.0	0.80	9.300	451.0	0.0018-T	0.0018-T	14.5	308	216		
900423	1530	0.30	0101	225.0	0.35	11.300	476.0	0.0007-T	0.0007-T	9.5	8	4		
900529	1140	0.30	0101	232.0	1.52	9.100	479.0	0.0020-T	0.0020-T	9.5	68	4		
900625	1425	0.30	0101	240.0	1.09	9.300	474.0	0.0020-T	0.0020-T	10.5	30AID	30AID		
900724	1115	0.30	0101	220.0	0.84	9.700	450.0	0.0020-T	0.0020-T	11.0	40AID	10		
900827	1440	0.30	0101	373.0	0.40	13.200	450.0	0.0020-T	0.0020-T	11.5	20AID	10		
900925	1105	0.30	0101	219.0	0.68	15.300	492.0	0.0020-T	0.0020-T	11.0	160	110		
901022	1430	0.30	0101	252.0	0.01	11.300	550.0	0.0030	0.0030	11.0	80AID	70AID		
901127	1215	0.30	0101	201.0	0.04	9.700	440.0	0.0040	0.0040	11.0	1200	1700		
900123	1145	0.30	0101	373.0	1.52	15.300	550.0	0.0040	0.0040	14.5	1200	1700		
900227	1550	0.30	0101	234.5	0.81	11.091	476.2	0.0020-A	0.0020-A	11.6	179	275		
900327	1145	0.30	0101	230.3	0.35	10.935	475.1	0.0018-A	0.0018-A	11.5	59	275		
900423	1530	0.30	0101	174.0	0.35	9.100	440.0	0.0007	0.0007	9.5	8	4		
900529	1140	0.30	0101	50.7	2.030	34.9	0.0009-A	0.0009-A	0.0009-A	1.6	4*	4*		
900625	1425	0.30	0101	11	9	11	11	11	11	9	11	11		
900724	1115	0.30	0101	18	18	18	18	18	18	18	18	18		
*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NNHTUR	NN02UR	NN03UR	NNTKUR	PBUT	PH	PP04UR	PP04UR	PP04UR	PP04UR	PP04UR
SAMPLE DATE	YYMMDD LHT	STREAM COND.	WATER TEMP	NH3-N TOTAL	NH2-N UNF. REAC	NO3-N UNF. REAC	K'DAHL N UNF. REAC	LEAD UNF. TOT.	PH	UNF. REAC	UNF. REAC	UNF. REAC	UNF. REAC	UNF. REAC
NUMBER	NUMBER		DEG.C	MG/L	AS N	MG/L	AS N	MG/L		AS P	AS P	AS P	AS P	AS P
900123	1145	4	1.0	0.002	0.010	3.200	0.750	0.005-W	7.73	0.021	0.021	0.039		
900227	1550	4	1.0	0.020	0.020	2.300	0.550	0.005-W	7.89	0.001	0.001	0.016		
900327	1145	6	2.0	0.006	0.010	1.600	0.530	0.005-W	8.18	0.001	0.001	0.015		
900423	1530	40466	0.038	0.008	0.020	1.200	0.590	0.005-W	8.38	0.008	0.008	0.017		
900529	1140	40482	15.0	0.039	0.010	0.500	0.530	0.005-W	8.22	0.001	0.001	0.022		
900625	1425	40493	19.0	0.069	0.030	0.400	0.620	0.005-W	8.23	0.013	0.013	0.035		
900724	1115	40509	23.0	0.064	0.020	0.100	0.570	0.005-W	8.31	0.009	0.009	0.026		
900827	1440	40518	26.0	0.032	0.010	0.100	0.570	0.005-W	8.26	0.009	0.009	0.024		
900925	1105	40536	13.0	0.021	0.010	0.200	0.490	0.005-W	8.15	0.010	0.010	0.040		
901022	1430	40547	10.0	0.034	0.030	1.100	0.880	0.005-W	8.01	0.071	0.071	0.040		
901127	1215	40563	8.5	0.034	0.030	1.100	0.940	0.005-W	7.97	0.071	0.071	0.172		

SAMP IN STATISTICS
 % SAMP (EXCLUDED)

(CONT'D)

1990 WATER QUALITY DATA REGION 1

253

B.O.W./ SITE: SAUBLE RIVER
 SAMPLE POINT: AT SAUBLE FALLS
 STATION TYPE: RIVER FLOW GAUGE FED 02FA001

STATION ID: 08-0135-003-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUBLE RIVER

STORET CODE: 02
 002
 1410

LAT: 44 40 36.06 LONG: 081 15 19.99 U T M: 17 0479745.0 4946850.0 4 REGION: 01 DISTANCE: 3.219

SAMPLE DATE YYMMDD LMT	HOUR	TEST-NAME	FNTENP	NNHTUR M3-N	NN02UR H02-N	NN03UR H03-N	NNTKUR K'DAHL N	PBUT	PH	PP04UR UNF .REAC HG/L	PPUT PHOSPHOR UNF .TOT. HG/L	PSAMF PSEUDOH AERUG. HF CHT /100HL
		MAXIMUM	22.0	0.039	0.020	0.900	0.670	0.005	8.28	0.010	0.028	
		ARITH MEAN	10.6	0.019	0.014	0.397	0.521	0.005<A	8.06	0.005	0.016	
		GEOM MEAN	6.1	0.016			0.512	0.005<A	8.06		0.015	
		MINIMUM	1.0	0.003	0.010	0.100	0.370	0.005	7.71	0.001	0.009	
		STD DEV (GEOM %)	8.5	0.010			0.099	0.000<A	0.15		0.006	
#		SAMP IN STATISTICS	10	11	9	11	11	11	11	7	11	
		% SAMP (EXCLUDED)			18	18				36		

SAMPLE DATE YYMMDD LMT	HOUR	TEST-NAME	RSP	TURB	TURBITY FTU	ZNUZ ZINC HG/L	ZNUZ ZINC AS ZN
900123	1100	30556	5.0<			0.0021<T	
900227	1509	30567	1.3	1.84		0.0014<T	
900327	1045	40454	5.0<			0.0019<T	
900423	1500	40465	5.0<			0.0005<W	
900529	1105	40481	5.0<			0.0310	
900625	1345	40492	2.8	2.00		0.0020<T	
900724	1035	40508	2.7			0.0010<T	
900827	1405	40517	5.0<	1.88		0.0010<T	
900925	1020	40535	2.7			0.0020<T	
901022	1355	40546	6.0	2.50		0.0060	
901127	1110	40562	6.7				
		MAXIMUM	6.7	2.50		0.0310	
		ARITH MEAN	3.7	2.05		0.0045<A	
		GEOM MEAN		2.04		0.0019<A	
		MINIMUM	1.3	1.84		0.0005	
		STD DEV (GEOM %)		0.30		0.0089<A	
#		SAMP IN STATISTICS	6	4			11
		% SAMP (EXCLUDED)	45				

1990 WATER QUALITY DATA REGION 1

254

B.O.W./ SITE: ALBEMARLE BROOK

SAMPLE POINT: AT HIGHWAY NO 6 NEAR MAR MOE SW A3

STATION TYPE: RIVER FLOW GAUGE MOE 02FA102

STATION ID: 08-0135-004-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SAUBLE RIVER

STOREY CODE: 02

002

1410

LAT: 44 50 03.49 LONG: 081 13 07.91

U T M: 17 0482700.0 4964350.0 4

REGION: 01

DISTANCE: 25.105

*=INTERIM	TEST-NAME:	FMSADP	FGPROJ	ALKT	ASUT	CLDUR	COND25	CS134	CS137	CUUT	FCHP
SAMPLE	DATE	HOUR	YMHDD	LHT	SAMPLE	DEPTH	M	PROJECT	UNF.TOT.	AS FE	IRON
900123	0925	30555	0101	148.0	0.001<M	4.400	322.0	0.3<	0.3<	0.0009<T	4
900227	1430	30566	0101	198.0	0.001<M	5.000	400.0	0.3<	0.3<	0.0007<T	4<
900327	1015	40453	0101	143.0	0.001<M	2.500	291.0	0.3<	0.3<	0.0005<M	4<
900423	1400	40464	0101	185.0	0.001<M	5.100	364.0	0.3<	0.3<	0.0010<T	12
900529	1030	40480	0101	210.0	0.001<M	3.300	395.0	0.3<	0.3<	0.0010<T	20AID
900625	1220	40491	0101	227.0	0.001<M	1.800	402.0	0.3<	0.3<	0.0020<T	100<
900724	0910	40507	0101	230.0	0.001<M	3.100	417.0	0.3<	0.3<	0.0020<T	40AID
900827	1330	40516	0101	210.0	0.001<M	3.300	440.0	0.3<	0.3<	0.0020<T	10<
900925	0855	40534	0101	228.0	0.001<M	4.100	407.0	0.3<	0.3<	0.0020<T	8
901022	1235	40545	0101	213.0	0.001<M	3.300	389.0	0.3<	0.3<	0.0020<T	60
901127	0940	40561	0101	207.0	0.001<M	3.400	389.0	0.3<	0.3<	0.0016<A	21
901227	1430	40566	0101	230.0	0.001<A	3.573	386.9	0.3<	0.3<	0.0013<A	4
900327	1015	40453	0101	197.6	0.001<A	3.434	384.3	0.3<	0.3<	0.0005<A	7
900423	1400	40464	0101	143.0	0.001<A	1.800	291.0	0.3<	0.3<	0.0006<A	36
900529	1030	40480	0101	30.0	0.000<A	1.005	45.1	0.3<	0.3<	0.0006<A	11131
900625	1220	40491	0101	11	10	11	11	0.3<	0.3<	0.0006<A	131
900724	0910	40507	0101	11	10	11	11	0.3<	0.3<	0.0006<A	8
900827	1330	40516	0101	11	10	11	11	0.3<	0.3<	0.0006<A	10<
900925	0855	40534	0101	11	10	11	11	0.3<	0.3<	0.0006<A	8
901022	1235	40545	0101	11	10	11	11	0.3<	0.3<	0.0006<A	10<
901127	0940	40561	0101	11	10	11	11	0.3<	0.3<	0.0006<A	8

SAMP IN STATISTICS
% SAMP (EXCLUDED)

*=INTERIM	TEST-NAME:	FEUT	FSMF	FMSTRC	FMTEMP	GACF	GACP	GBCF	GBCP	HHS	II131
SAMPLE	DATE	HOUR	YMHDD	LHT	UNF.TOT.	AS FE	IRON	STREPCUS	HF	CNT	/100ML
900123	0925	30555	0101	148.0	0.001<M	4.400	322.0	0.3<	0.3<	0.0009<T	4
900227	1430	30566	0101	198.0	0.001<M	5.000	400.0	0.3<	0.3<	0.0007<T	4<
900327	1015	40453	0101	143.0	0.001<M	2.500	291.0	0.3<	0.3<	0.0005<M	4<
900423	1400	40464	0101	185.0	0.001<M	5.100	364.0	0.3<	0.3<	0.0010<T	12
900529	1030	40480	0101	210.0	0.001<M	3.300	395.0	0.3<	0.3<	0.0010<T	20AID
900625	1220	40491	0101	227.0	0.001<M	1.800	402.0	0.3<	0.3<	0.0020<T	100<
900724	0910	40507	0101	230.0	0.001<M	3.100	417.0	0.3<	0.3<	0.0020<T	40AID
900827	1330	40516	0101	210.0	0.001<M	3.300	440.0	0.3<	0.3<	0.0020<T	100<
900925	0855	40534	0101	228.0	0.001<M	4.100	407.0	0.3<	0.3<	0.0020<T	10<
901022	1235	40545	0101	213.0	0.001<M	3.300	389.0	0.3<	0.3<	0.0020<T	8
901127	0940	40561	0101	207.0	0.001<M	3.400	389.0	0.3<	0.3<	0.0020<T	8
901227	1430	40566	0101	230.0	0.001<A	3.573	386.9	0.3<	0.3<	0.0016<A	21
900327	1015	40453	0101	197.6	0.001<A	3.434	384.3	0.3<	0.3<	0.0013<A	4
900423	1400	40464	0101	143.0	0.001<A	1.800	291.0	0.3<	0.3<	0.0005<A	7
900529	1030	40480	0101	30.0	0.000<A	1.005	45.1	0.3<	0.3<	0.0006<A	36
900625	1220	40491	0101	11	10	11	11	0.3<	0.3<	0.0006<A	11131
900724	0910	40507	0101	11	10	11	11	0.3<	0.3<	0.0006<A	131
900827	1330	40516	0101	11	10	11	11	0.3<	0.3<	0.0006<A	8
900925	0855	40534	0101	11	10	11	11	0.3<	0.3<	0.0006<A	10<
901022	1235	40545	0101	11	10	11	11	0.3<	0.3<	0.0006<A	8
901127	0940	40561	0101	11	10	11	11	0.3<	0.3<	0.0006<A	10<

(CONT'D)

B.O.W./ SITE: ALBEMARLE BROOK

SAMPLE POINT: AT HIGHWAY NO 6 NEAR MAR HOE SW A3

STATION TYPE: RIVER FLOW GAUGE HOE 02FA102

STATION ID: 08-0135-004-02

MAJOR BASIN: GREAT LAKES
TERR BASIN: LAKE HURON
TERR STREACH: SAUBLE RIVERSTONET CODE: 02
002
1410

LAT: 44 50 03.49 LONG: 081 13 07.91 U T H: 17 0482700.0 4964350.0 4 REGION: 01 DISTANCE: 25.105

*INTERIM TEST-NAME:		FEUT	FSMF	FWSTRC	FTEHP	GACF	GACP	GBCF	GBCP	HH3	II131
SAMPLE	IRON	UNF, TOT.	STREPCUS	WATER	GROSS	GROSS	GROSS	GROSS	GROSS	TRITIUM	IODINE
DATE	UNF, TOT.	MG/L	MF	TEMP	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	HYDROG-3	131
YTHDD LIT	AS FE	/100HL	CNT	DEG.C	BG/L	BG/L	BG/L	BG/L	BG/L	BG/L	BG/L
	MAXIMUM	0.150	290	24.0				0.08		8	
	ARITH MEAN	0.082<A	62	10.6				0.08		8	
	GEOM MEAN	0.072<A		6.6							
	MINIMUM	0.029	4	1.0				0.08		8	
	STD DEV (GEOM #)	0.044<A		8.2							
	# SAMP IN STATISTICS	10	7	10				1		1	
	% SAMP (EXCLUDED)		36								

*INTERIM TEST-NAME:

*INTERIM TEST-NAME:		MIUT	NNHUR	NN02UR	NN03UR	NNTKUR	PBUT	PH	PP04UR	PPUT	PSAMF
SAMPLE	NICKEL	UNF, TOT.	UNF, TOT.	UNF, REAC	UNF, REAC	UNF, REAC	UNF, TOT.	PH	UNF, REAC	PHOSPHOR	PSEUDONH
DATE	AS NI	MG/L	MG/L	AS N	AS N	AS N	MG/L		MG/L	MG/L	HF
YTHDD LIT	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB		AS P	AS P	CNT
	0.001<	0.010	0.500	0.300	0.300	0.300	0.005<W	7.82	0.001<	0.008	4<
900123 0925	30555	0.002<W	0.010	0.300	0.290	0.290	0.005<W	7.88	0.001	0.008	4<
900227 1430	30566	0.002<W	0.010	0.100<	0.240	0.240	0.005<W	8.04	0.001<	0.006	4<
900327 1015	40453	0.002<W	0.010	0.100<	0.380	0.380	0.005<W	8.31	0.005	0.008	4<
900423 1400	40464	0.002<W	0.005	0.100<	0.470	0.470	0.005<W	8.20	0.001<	0.007	4<
900529 1030	40480	0.002<W	0.012	0.100<	0.520	0.520	0.005<W	8.36	0.004	0.009	4<
900625 1220	40491	0.004<T	0.011	0.100<	0.410	0.410	0.005<W	8.19	0.006	0.015	4<
900724 0910	40507	0.004<T	0.014	0.100<	0.320	0.320	0.005<W	8.32	0.001<	0.010	4<
900827 1330	40516	0.003<T	0.003	0.100	0.320	0.320	0.005<W	8.13	0.001<	0.009	4<
900925 0855	40534	0.003<T	0.013	0.100	0.280	0.280	0.005<W	8.07	0.001<	0.006	4<
901022 1235	40545	0.003<T	0.003	0.200	0.520	0.520	0.005<W	8.12	0.007	0.007	4<
901127 0940	40561	0.003<T	0.014	0.020	0.365	0.365	0.005<W	8.36	0.007	0.015	
	MAXIMUM	0.004	0.009	0.011	0.354	0.354	0.005<A	8.13	0.005	0.008	
	ARITH MEAN	0.003<A			0.240	0.240	0.005<A	7.82	0.001	0.006	
	GEOM MEAN	0.002	0.003	0.010	0.097	0.097	0.000<A	0.17		0.003	
	MINIMUM	0.001<A	10	5	11	11	10	11	5	11	
	STD DEV (GEOM #)		9	27	54	54			54		
	# SAMP IN STATISTICS	10									
	% SAMP (EXCLUDED)										

(CONT'D)

B.O.W./ SITE: ALBEMARLE BROOK
 SAMPLE POINT: AT HIGHWAY NO 6 NEAR MAR MOE SH A3
 STATION TYPE: RIVER FLOW GAUGE MOE 02FA102

STATION ID: 08-0135-004-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TERM STREAM: SAUBLE RIVER

STORET CODE: 02
 002
 1410

LAT: 44 50 03.49 LONG: 081 13 07.91

U T M: 17 0482700.0 4964350.0 4

REGION: 01

DISTANCE: 25.105

*=INTERIM TEST-NAME:

RSP TURB ZNUT

SAMPLE DATE YYMMDD LHT HOUR
 RESIDUE PARTIC. MG/L
 UNF. TOT. MG/L
 TURB.ITY FTU
 AS ZN

900123	0925	30555	5.0<						
900227	1430	30566	4.3						
900327	1015	40453	5.0<		1.60		0.0006<T		
900423	1400	40464	5.0<				0.0005<W		
900529	1030	40480	5.0<				0.0005<W		
900625	1220	40491	2.0		1.40		0.0310		
900724	0910	40507	5.0<				0.0020<T		
900827	1330	40516	5.0<		1.64		0.0010<T		
900925	0855	40534	5.0<				0.0010<T		
901022	1235	40545	5.0<		0.76		0.0010<T		
901127	0940	40561	5.3				0.0060		
		MAXIMUM	5.3		1.64		0.0310		
		ARITH MEAN	3.9		1.35		0.005 <A		
		GEOM MEAN			1.29		0.002 <A		
		MINIMUM	2.0		0.76		0.0005		
		STD DEV (GEOM *)			0.41		0.009 <A		
		# SAMP IN STATISTICS	3		4				
		% SAMP (EXCLUDED)	72						

B.O.W./ SITE: STOKES RIVER
 SAMPLE POINT: 2ND BRIDGE UPSTR. FROM MOUTH STOKES BAY
 STATION TYPE: RIVER

STATION ID: 08-0143-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE HURON
 TRIBUTARY: STOKES RIVER

STORET CODE: 02
 002
 1530

LAT: 45 00 09.78 LONG: 081 21 56.65 U T M: 17 0471175.0 4983100.0 4 REGION: 01 DISTANCE: 1.127

*=INTERIM	TEST-NAME:	NO3UR	NTKUR	PH	PP04UR	PPUT	PSAUF	RSP
			K'DAHL N				PSEUDOMN	
			TOTAL				AERUG.	
SAMPLE		NO3-N	UNF.REAC		PO4	PHOSPHOR		RESIDUE
DATE		MG/L	MG/L		MG/L	UNF.TOT.		PARTIC.
Y/M/D		AS N	AS N	PH	AS P	MG/L		MG/L
HOUR								
LMT								
	MAXIMUM	0.400	1.160	8.14	0.010	0.070	4	30.7
	ARITH MEAN	0.200	0.808	7.69	0.006	0.040	4	17.2
	GEOM MEAN		0.773	7.68		0.036		
	MINIMUM	0.100	0.460	7.12	0.002	0.016	4	3.0
	STD DEV (GEOM %)		0.245	0.32		0.020		
#	SAMP IN STATISTICS	6	11	11	8	11	1	9
%	SAMP (EXCLUDED)	45			27		90	18

B.O.W./ SITE: STOKES RIVER
SAMPLE POINT: AT HIGHWAY NO.6
STATION TYPE: RIVER FLOW GAUGE FED.02FA002

STATION ID: 08-0143-002-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE HURON
TERM STREAM: STOKES RIVER

STORET CODE: 02
002
1530

LAT: 45 02 13.25 LONG: 081 20 10.03

UTM: 17 0473525.0 4986900.0 4

REGION: 01 DIST: 002 DISTANCE: 6 276

**INTERIM		TEST-NAME:		FMSADP		FGPROJ		CLIDUR		COND25		FCUFI		FSMF		FWSTRC		FUTEHP		NNHUTR		NH02UR	
SAMPLE		HOUR		SAMPLE		SAMPLE		PROJECT		CHLORIDE		CONDUCT.		FCUFI		FSMF		FWSTRC		FUTEHP		NNHUTR	
DATE		LMT		DEPTH		SUB-PROJ		CODE		UNF.REAC		25C		COLIFORM		FECAL		STREAM		WATER		TOTAL	
YYMMDD				M						HG/L		AT 25 C		/100HL		/100HL		COND.		TEMP		UNF.REAC	
										AS CL										DEG.C		HG/L	
										AS CL				/100HL		/100HL						AS N	
900123	1015	30554		0.30	0101	5,700	340.0	24	56	6	1.0	0.055	0.010							0.055		0.010	
900327	0946	40452		0.30	0101	3,000	252.0	4	16	6	1.0	0.007	0.010<							0.007		0.010<	
900423	1330	40463		0.30	0101	5,700	298.0	4<	4				0.016							0.016		0.010	
900529	1005	40479		0.30	0101	3,000	327.0	352	16	5	13.5	0.005	0.010<							0.005		0.010<	
900625	1300	40490		0.30	0101	2,900	357.0	340	250	5	20.0	0.047	0.030							0.047		0.030	
900724	0950	40506		0.30	0101	4,900	384.0	1700	300AID	8	19.5	0.019	0.010							0.019		0.010	
900827	1305	40515		0.30	0101	1,500	404.0	400AID	8	26.5	0.047	0.010	0.010<							0.047		0.010	
900925	0935	40533		0.30	0101	9,200	396.0	190	230	5	12.5	0.011	0.010<							0.011		0.010<	
901022	1315	40544		0.30	0101	5,000	338.0	190	220	8	8.5	0.029	0.020							0.029		0.020	
901127	1020	40560		0.30	0101	6,000	294.0	2200	1500	3	3.0	0.043	0.020							0.043		0.020	
MAXIMUM				0.30		9,200	404.0	2200	1500		26.5	0.055	0.030							0.055		0.030	
ARITH MEAN				0.30		4,690	339.0	600	289		11.7	0.028	0.016							0.028		0.016	
GEOM MEAN						4,203	335.7		100		7.5	0.021								0.021			
MINIMUM				0.30		1,500	252.0	4	6		1.0	0.005	0.010							0.005		0.010	
STD DEV (GEOM *)						2,194	48.6		6*		8.6										8.6		
# SAMP IN STATISTICS				10		10	10	9	10		10	10								10	10		7
% SAMP (EXCLUDED)								10															70

**INTERIM		TEST-NAME:		HN03UR	NTNKUR	PH	PP04UR	PPUT	PSAMF	RSP						
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	UNF.	NO3-N	K'DAHL N	P04 UNF.	REAC	PHOSPHOR UNF.	PSEUDOWN AERUG.	RSP						
				MG/L	TOTAL						AS N	AS P	MG/L	AS P	MG/L	AS P
				AS N	UNF.						AS N	AS P	AS P	AS P	AS P	
900123	1015	30554	0.300	0.720	7.16	0.004	0.004	0.028	4<	5.0<						
900327	0946	40452	0.100<	0.470	7.65	0.001<	0.001<	0.014	4<	5.0<						
900423	1330	40463	0.100<	0.560	8.15	0.009	0.009	0.050	4<	12.0						
900529	1005	40479	0.100<	0.750	7.79	0.001<	0.001<	0.029	4<	13.6						
900625	1300	40490	0.100<	0.960	8.04	0.012	0.012	0.058	4<	20.8						
900724	0950	40506	0.100<	1.060	7.94	0.010	0.010	0.060	4<	19.7						
900827	1305	40515	0.100	1.060	8.25	0.001	0.001	0.050	4<	11.8						
900925	0935	40533	0.100	1.000	8.03	0.001<	0.001<	0.035	4<	11.1						
901022	1315	40544	0.200	0.820	7.66	0.002	0.002	0.022	4<	7.0						
901127	1020	40560	0.300	1.000	7.68	0.044	0.044	0.148	12C	69.2						

(C O N T D)

1990 WATER QUALITY DATA REGION 1

260

B.O.W./ SITE: STOKES RIVER

SAMPLE POINT: AT HIGHWAY NO. 6

STATION TYPE: RIVER FLOW GAUGE FED.02FA002

STATION ID: 08-0143-002-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: STOKES RIVER

STORET CODE: 02

002

1530

LAT: 45 02 13.25 LONG: 081 20 10.03 U T M: 17 0473525.0 4986900.0 4 REGION: 01 DIST: 002 DISTANCE: 6.276

*=INTERIM	TEST-NAME:	NN03UR	NNTKUR	PH	PP04UR	PPUT	PSAMF	RSP
		K'DAHL N	TOTAL		P04	PHOSPHOR	PSEUDOMN	
		UNF-REAC	UNF-REAC		UNF-REAC	UNF-TOT.	AERUG.	
		MG/L	MG/L		MG/L	MG/L	HF	
		AS N	AS N		AS P	AS P	CHT	
							/100ML	RESIDUE
								PARTIC.
								MG/L
	MAXIMUM	0.300	1.060	8.25	0.044	0.148	12	69.2
	ARITH MEAN	0.225	0.840	7.83	0.012	0.049	12	20.6
	GEOM MEAN		0.813	7.83		0.040		
	MINIMUM	0.100	0.470	7.16	0.001	0.014	12	7.0
	STD DEV (GEOM #)		0.211	0.32		0.038		
#	SAMP IN STATISTICS	4	10	10	7	10	1	8
%	SAMP (EXCLUDED)	60			30		90	20

B.O.W./ SITE: TURKEY CREEK
 SAMPLE POINT: AT WINDSOR SUBURBAN ROAD 40
 STATION TYPE: RIVER

STATION ID: 10-0001-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: TURKEY CREEK

STORET CODE: 02
 003
 2740

LAT: 42 14 53.82 LONG: 083 04 04.46 U T M: 17 0329400.0 4679200.0 4 REGION: 01 DISTANCE: 3.862

*INTERIM TEST-NAME:				FHSADP	FGPROJ	ALKT	BOD5	CLIDUR	COD	COND25	CRUT	CUUT	DO
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL	5 DAY TOT. DEM.	CHLORIDE UNF. REAC	CHEM. OX DEMAND	CONDUCT. 25C UNH0/CM AT 25 C	CHROMIUM UNF. TOT.	COPPER UNF. TOT.	DISSOLVED OXYGEN	
YYMMDD	LHT	M	CODE	AS CAC03	MG/L	AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS CR	MG/L AS CU	AS O	
900110	1035	30848	0.30	0101	152.0	5.02	406.000	30	180.0	0.0067	0.0072	4.0	
900214	1020	30860	0.30	0101	193.0	4.57	255.000		1360.0	0.0040	0.0066	3.0	
900313	1100	40728	0.30	0101	199.0	2.85	178.000		1085.0	0.0038	0.0120		
900411	1055	40740	0.30	0101	196.0	1.56	161.000		993.0	0.0012<T	0.0050	14.0	
900514	1140	40752	0.30	0101	203.0	6.84	147.000		977.0	0.0030	0.0060	8.0	
900613	1010	40764	0.30	0101	207.0	11.8	115.000		840.0	0.0020<T	0.0100	20.0	
900709	1100	40776	0.30	0101	114.0	10.0	79.900		870.0	0.100	0.130	4.0	
900814	1110	40788	0.30	0101	176.0	6.88	118.000		745.0	0.0040	0.0090	4.0	
900911	1045	40800	0.30	0101	174.0	5.92	87.600		698.0	0.0010<T	0.0040	8.5	
901011	1255	40815	0.30	0101	199.0	2.60	59.200		946.0	0.0010<T	0.0060	5.0	
901119	1505	40828	0.30	0101	265.0	5.92	98.600		951.0	0.0010<T	0.0040	3.5	
901211	1125	40840	0.30	0101	269.0	1.96	95.300						
MAXIMUM				0.30	269.0	11.8	406.000	30	1360.0	0.100	0.130	20.0	
ARITH MEAN				0.30	195.6	5.5	150.050	30	852.8	0.012 <A	0.018	7.4	
GEOM MEAN				0.30	191.2	4.5	129.881		781.5	0.003 <A	0.009	6.1	
MINIMUM				0.30	114.0	1.56	59.200	30	180.0	0.0010	0.0040	3.0	
STD DEV (GEOM %)				12	42.5	3.3	96.489	1	289.7	0.029 <A	0.037	5.3	
# SAMP IN STATISTICS				12	12	11	12	1	12	11	11	11	
% SAMP (EXCLUDED)													
*INTERIM TEST-NAME:				FCMF	FSMF	FWSTRC	FMTEHP	NIUT	NHNTUR	NN02UR	NN03UR	NNTKUR	PBUT
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH	FECAL COLIFORM	FECAL STREPCUS	HF	WATER TEMP	NICKEL UNF. TOT.	NH3-N TOTAL UNF. REAC	N02-N UNF. REAC	N03-N UNF. REAC	TOTAL UNF. REAC	LEAD UNF. TOT.
YYMMDD	LHT			/100ML	/100ML	CNT	DEG. C	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	AS PB
900110	1035	30848	15000	2200	6	6	1.0	0.008<T	0.001	0.020	3.500	2.300	0.009<T
900214	1020	30860	27000	2100	6	6	2.0	0.005<T	0.020	1.270	1.400	3.000	0.007<T
900313	1100	40728	15000	670	6	6	9.0	0.005<T	0.422	0.110	2.200	0.880	0.005<W
900411	1055	40740	12000	1900	6	6	6.0	0.003<T	0.001<	0.170	2.700	0.750	0.005<W
900514	1140	40752	15000	900AID	6	6	13.0	0.010<T	0.220	0.270	2.400	1.500	0.009<T
900613	1010	40764	11000	100AID	6	6	18.0	0.009<T	1.900	0.330	0.700	4.200	0.011<T
900709	1100	40776	25000		6	6	23.0	0.009<T	1.900	0.680	1.200	1.200	0.025
900814	1110	40788	32000	500	6	6	18.0	0.018	0.964	0.270	1.400	0.230	0.009<T
900911	1045	40800	8000AID	3100	6	6	11.5	0.013	0.228	0.190	1.600	1.340	0.005<T
901011	1255	40815		8200	3	3	5.0	0.009<T	0.300	0.370	2.100	1.100	0.005<W
901119	1505	40828	20000	1300	6	6	4.0	0.010<T	2.600	0.130	0.700	3.440	0.005<W
901211	1125	40840	10000	1100	6	6		0.008<T	1.300	0.100	1.100	2.100	0.005<W

(C O N T D)

STATION ID: 10-0001-002-02

STORET CODE:

DISTANCE: 3.862

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

LINE	REAC	LINE TOT	LEAD
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IF REAC	UNF. IOL.
MG/L	MG/L

AS N
AS PB

100

0.200 0.025

0.009 < A

0.008 < A

0.003
0.006 < A

11 0.000/A

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94

ZINC
E TOT

173M
F.101.1

AS ZN

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0270

0170 0360

0030

0550

0480

0350

0220

0260

0660

0040
0371

0340

0170

0161

1990 WATER QUALITY DATA REGION 1

263

B.O.N./ SITE: CANARD RIVER
 SAMPLE POINT: HWY 18 2 MILES SOUTH OF RIVER CANARD
 STATION TYPE: RIVER

STATION ID: 10-0002-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: CANARD RIVER

STORET CODE: 02
 003
 2700

LAT: 42 10 06.56 LONG: 083 05 52.32

U T M: 17 0326710.0 4670400.0 4

DISTANCE: 0.805

REGION: 01

SAMPLE DATE YYMMDD LMT	HOUR	*INTERIM TEST-NAME:	FMSADP	FGRPROJ	CLIDUR	CONDUCT. 25C UNH0/CH AT 25 C	COND25	FCMF COLIFORM CFU/100ML	FECAL STREPTOC CFU/100ML	FMSH FECAL STREPTOC CFU/100ML	FWSTRC	FMTMP WATER TEMP DEG.C	HHHTUR HH3-H TOTAL UNF.REAC MG/L AS N	HH02UR HH3-H TOTAL UNF.REAC MG/L AS N	H02-M UNF.REAC MG/L AS N
900110	1020		30847	0.30	0101	21.400	215.0	60AID	380	4	4	1.0	0.573	0.050	
900214	1000		30859	0.30	0101	64.300	740.0	50AID	120	6	6	1.0	0.001	0.180	
900313	1040		40727	0.30	0101	38.400	510.0	800AID	100<	6	6	13.0	0.103	0.130	
900411	1030		40739	0.30	0101	67.900	639.0	1100	1000	6	6	5.0	0.035	0.290	
900514	1120		40751	0.30	0101	53.300	680.0	1300	1900	6	6	14.0	0.294	0.190	
900613	0955		40763	0.30	0101	33.700	454.0	100<	100<	9	9	19.0	0.222	0.190	
900709	1035		40775	0.30	0101	20.700	271.0	10AID	10AID	6	6	21.0	0.034	0.010	
900814	1055		40787	0.30	0101	38.800	476.0	40AID	30AID	6	6	23.0	0.148	0.010	
900911	1020		40799	0.30	0101	15.800	287.0	1400	7600	6	6	19.0	0.115	0.140	
901011	1310		40816	0.30	0101	18.200	330.0	2300	3300	3	3	11.5	0.054	0.090	
901119	1535		40829	0.30	0101	33.900	455.0	100<	100<	6	6	5.0	0.079	0.030	
901211	1155		40841	0.30	0101	33.100	485.0	100AID	600AID	6	6	2.0	0.050	0.080	
MAXIMUM															
ARITH MEAN															
GEOM MEAN															
MINIMUM															
STD DEV (GEOM %)															
# SAMP IN STATISTICS															
% SAMP (EXCLUDED)															
SAMPLE DATE YYMMDD LMT	HOUR	*INTERIM TEST-NAME:	NNO3UR	NNO3-H UNF.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PH	PPO4UR	PPO4 UNF.REAC MG/L AS P	PPUT	RSP	TURB	TURBITY FTU	RESIDUE PARTIC. MG/L	RSP	TURBITY FTU
900110	1020		30847	4.000	3.700	7.68	0.092	0.570	39.1	39.1	23.0	0.573	0.290	0.290	
900214	1000		30859	6.800	2.200	8.02	0.035	0.275	19.6	19.6	11.2	0.142	0.116	0.116	
900313	1040		40727	6.000	1.600	7.71	0.096	0.295	74.7	74.7	7.2	0.071	0.076	0.076	
900411	1030		40739	5.700	1.640	7.75	0.127	0.312	96.4	96.4	1.0	0.001	0.010	0.010	
900514	1120		40751	7.100	2.300	7.83	0.079	0.240	100.0	100.0	8.2	0.160	0.086	0.086	
900613	0955		40763	4.800	1.850	7.86	0.076	0.245	130.0	130.0	12	0.12	0.12	0.12	
900709	1035		40775	0.100	0.620	8.13	0.013	0.080	48.4	48.4	93.00	93.00	93.00	93.00	
900814	1055		40787	0.100<	1.600	8.09	0.044	0.210	67.2	67.2					
900911	1020		40799	1.200	1.650	7.64	0.184	0.410	148.0	148.0					
901011	1310		40816	1.700	1.800	7.39	0.145	0.360	110.0	110.0					
901119	1535		40829	1.200	0.840	8.02	0.047	0.104	38.8	38.8					
901211	1155		40841	2.100	1.400	8.00	0.148	0.275	76.2	76.2					

(C O N T D)

B.O.W./ SITE: CANARD RIVER
SAMPLE POINT: HWY. 18 2 MILES SOUTH OF RIVER CANARD
STATION TYPE: RIVER

STATION ID: 10-0002-001-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
STREAM: CANARD RIVER

STORET CODE: 02
003
2700

LAT: 42 10 06.56 LONG: 083 05 52.32

REGION: 01

DISTANCE: 0.805

= INTERIM TEST-NAME:

NNTKUR
K'DAHL N

no

MMTKVID
DU

[illegible]

1
2
3

SAMPLE	DATE	HOUR	LMT
1	10/10/10	10	10
2	10/10/10	10	10
3	10/10/10	10	10
4	10/10/10	10	10
5	10/10/10	10	10
6	10/10/10	10	10
7	10/10/10	10	10
8	10/10/10	10	10
9	10/10/10	10	10
10	10/10/10	10	10
11	10/10/10	10	10
12	10/10/10	10	10
13	10/10/10	10	10
14	10/10/10	10	10
15	10/10/10	10	10
16	10/10/10	10	10
17	10/10/10	10	10
18	10/10/10	10	10
19	10/10/10	10	10
20	10/10/10	10	10
21	10/10/10	10	10
22	10/10/10	10	10
23	10/10/10	10	10
24	10/10/10	10	10
25	10/10/10	10	10
26	10/10/10	10	10
27	10/10/10	10	10
28	10/10/10	10	10
29	10/10/10	10	10
30	10/10/10	10	10
31	10/10/10	10	10
32	10/10/10	10	10
33	10/10/10	10	10
34	10/10/10	10	10
35	10/10/10	10	10
36	10/10/10	10	10
37	10/10/10	10	10
38	10/10/10	10	10
39	10/10/10	10	10
40	10/10/10	10	10
41	10/10/10	10	10
42	10/10/10	10	10
43	10/10/10	10	10
44	10/10/10	10	10
45	10/10/10	10	10
46	10/10/10	10	10
47	10/10/10	10	10
48	10/10/10	10	10
49	10/10/10	10	10
50	10/10/10	10	10
51	10/10/10	10	10
52	10/10/10	10	10
53	10/10/10	10	10
54	10/10/10	10	10
55	10/10/10	10	10
56	10/10/10	10	10
57	10/10/10	10	10
58	10/10/10	10	10
59	10/10/10	10	10
60	10/10/10	10	10
61	10/10/10	10	10
62	10/10/10	10	10
63	10/10/10	10	10
64	10/10/10	10	10
65	10/10/10	10	10
66	10/10/10	10	10
67	10/10/10	10	10
68	10/10/10	10	10
69	10/10/10	10	10
70	10/10/10	10	10
71	10/10/10	10	10
72	10/10/10	10	10
73	10/10/10	10	10
74	10/10/10	10	10
75	10/10/10	10	10
76	10/10/10	10	10
77	10/10/10	10	10
78	10/10/10	10	10
79	10/10/10	10	10
80	10/10/10	10	10
81	10/10/10	10	10
82	10/10/10	10	10
83	10/10/10	10	10
84	10/10/10	10	10
85	10/10/10	10	10
86	10/10/10	10	10
87	10/10/10	10	10
88	10/10/10	10	10
89	10/10/10	10	10
90	10/10/10	10	10

UNF.REAC
MG/L
AS N

UNF. REAC	MG/L	AS N
100	100	100
200	200	200
300	300	300
400	400	400
500	500	500
600	600	600
700	700	700
800	800	800
900	900	900
1000	1000	1000

PU4	PHOSPHOR
UNF.REAC	UNF.TOT.
MG/L	MG/L
AS D	AS D

RESIDUE
PARTIC.

TURBIDITY

MAXIMUM

7.100

3,700

M

0-186 0 570

0 621

0000-0000

MINIMUM

0.100

0.620

9

0.074	0.231
0.013	0.080

19.6
00.8

150.95
93.00

	# SAMP IN STATISTICS	% SAMP (EXCLUDED)	R
11			

11

12

2

0.052	0.132
12	12

39.2
12

107.48

B.O.W./ SITE: CANARD RIVER
 SAMPLE POINT: 2 MILES SOUTH OF LUKERVILLE
 STATION TYPE: RIVER FLOW GAUGE FED 02GH002

STATION ID: 10-0002-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: CANARD RIVER

STORET CODE: 02

003

2700

LAT: 42 09 32.79 LONG: 083 01 06.23 U T H: 17 0333250.0 4669200.0 4 REGION: 01 DISTANCE: 12.070

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5 5 DAY TOT DEM.	CLIDUR CHLORIDE UNF REAC	COND25 CONDUCT. 25C UHMO/CH AT 25 C	CUUT COPPER UNF TOT.	DO DISSOLVED OXYGEN	FCFECAL FECAL COLIFORM	FSMF STREPTOC HF CHT /100ML
SAMPLE DATE YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CACO3	BOD 5 DAY TOT DEM. MG/L AS O	CHLORIDE UNF REAC MG/L AS CL	CONDUCT. 25C UHMO/CH AT 25 C	COPPER UNF TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	FECAL COLIFORM /100ML	STREPTOC HF CHT /100ML
900110 1000	30846	0.30	0101	75.6	2.56	65.900	619.0	0.0066	6.0	430	1700
900214 0945	30858	0.30	0101	141.0	1.68	54.900	744.0	0.0045	6.0	60AID	100
900313 1020	40726	0.30	0101	60.6	3.54	34.800	425.0	0.0063		100AID	100AID
900411 1000	40738	0.30	0101	16.2	3.96	33.900	354.0	0.0120	10.0	600AID	2000
900514 1100	40750	0.30	0101	68.8	3.06	28.500	413.0	0.0090	11.0	2300	2700
900613 0940	40762	0.30	0101	140.0	4.82	72.600	819.0		10.0	400AID	100AID
900709 1020	40774	0.30	0101	143.0	0.04<	45.300	2940.0	0.0050	10.0	1500>	1400
900814 1040	40786	0.30	0101	108.0		120.000	946.0	0.0080	8.0	2600	4000
900911 1000	40798	0.30	0101	53.4	3.36	15.200	252.0	0.0080	9.0	400AID	1300
901011 1330	40817	0.30	0101	57.5	5.08	15.200	254.0	0.0020<T	10.0	700AID	2100
901119 1550	40830	0.30	0101	179.0	3.16	42.200	661.0	0.0040	7.0	30AID	100<
901211 1210	40842	0.30	0101	140.0	2.80	30.400	518.0	0.0050	6.0	180	110
MAXIMUM		0.30		179.0	6.08	120.000	2940.0	0.0120	11.0	2600	4000
ARITH MEAN		0.30		98.6	3.68	46.575	746.2	0.0064<A	8.5	709	1419
GEOM MEAN				83.8		39.455	581.2	0.0058<A	8.2		
MINIMUM		0.30		16.2	1.68	15.200	252.0	0.0020	6.0	30	100
STD DEV (GEOM #)				49.7		29.215	724.3	0.0028<A	1.9		
# SAMP IN STATISTICS		12		12	10	12	12	11	11	11	11
% SAMP (EXCLUDED)					9					8	8
*=INTERIM	TEST-NAME:	FWSTRC	FWTEHP	NH4TUR NH3-N TOTAL	NH202UR NH2-N UNF REAC	NH203UR NH3-N UNF REAC	NH4TUR K DAHL N TOTAL	PBUT LEAD UNF TOT.	PH	PP04UR P04 UNF REAC	PHOSPHOR UNF TOT.
SAMPLE DATE YYMMDD LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB		MG/L AS P	MG/L AS P
900110 1000	30846	6	1.0	0.352	0.110	4.500	1.800	0.005<W	7.50	0.138	0.245
900214 0945	30858	6	2.0	0.001	0.050	5.500	1.000	0.005<W	7.89	0.039	0.098
900313 1020	40726	6	12.0	0.049	0.120	5.000	1.660	0.005<W	7.57	0.113	0.282
900411 1000	40738	6	5.0	0.115	0.330	5.400	2.800	0.021<T	7.55	0.324	0.645
900514 1100	40750	6	13.0	0.310	0.230	8.400	2.850	0.006<T	7.56	0.256	0.425
900613 0940	40762	6	18.0	0.087	0.160	3.100	1.800	0.007	7.83	0.071	0.285
900709 1020	40774	6	1.0	0.483	0.020	3.100	1.180	0.008<T	7.71	0.010	0.068
900814 1040	40786	6	20.0	0.199	0.090	2.900	1.850	0.005<W	7.82	0.099	0.300
900911 1000	40798	6	19.0	0.120	0.090	5.500	1.600	0.005<W	7.40	0.184	0.378
901011 1330	40817	3	11.0	0.096	0.070	0.900	1.720	0.005<W	7.29	0.142	0.320
901119 1550	40830	6	5.0	0.437	0.030	0.600	1.440	0.005<W	7.90	0.043	0.093
901211 1210	40842	6	2.0	0.058	0.040	1.400	1.250	0.005<W	7.87	0.081	0.185

(C O N T D)

STATION ID: 10-0002-002-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: CANARD RIVER

STORET CODE: 02
003
270

REGION: 01 DISTANCE: 12,070

000000

000000

WATER	UNF. REAC	TOTAL
TEMP	MG/L	
DEG. C	AS N	

NO2-N	NO3-N
UNF.REAC	UNF.REAC
MG/L	MG/L
AS N	AS N

UNF. REAC	MG/L	PHOSPHOR	UNF. TOT.	MG/L
AS D	AS D	AS D	AS D	AS D

20.0	0.483	0.330
9.1	0.192	0.112
5.7	0.103	0.084
1.0	0.001	0.020
7.3	0.163	0.091
12	12	12

0.330	8.400	2.850
0.112	3.167	1.746
0.084	1.868	1.668
0.020	0.100	1.000
0.091	2.579	0.571
12	12	12

0.324	0.645
0.125	0.279
0.091	0.235
0.010	0.088
0.092	0.160
12	12

RSP

7MUT

ESIDUE ARTIC. MG/L	TURB·ITY FTU
100	100
200	200
300	300
400	400
500	500
600	600
700	700
800	800
900	900
1000	1000
1100	1100
1200	1200
1300	1300
1400	1400
1500	1500
1600	1600
1700	1700
1800	1800
1900	1900
2000	2000
2100	2100
2200	2200
2300	2300
2400	2400
2500	2500
2600	2600
2700	2700
2800	2800
2900	2900
3000	3000
3100	3100
3200	3200
3300	3300
3400	3400
3500	3500
3600	3600
3700	3700
3800	3800
3900	3900
4000	4000
4100	4100
4200	4200
4300	4300
4400	4400
4500	4500
4600	4600
4700	4700
4800	4800
4900	4900
5000	5000
5100	5100
5200	5200
5300	5300
5400	5400
5500	5500
5600	5600
5700	5700
5800	5800
5900	5900
6000	6000
6100	6100
6200	6200
6300	6300
6400	6400
6500	6500
6600	6600
6700	6700
6800	6800
6900	6900
7000	7000
7100	7100
7200	7200
7300	7300
7400	7400
7500	7500
7600	7600
7700	7700
7800	7800
7900	7900
8000	8000
8100	8100
8200	8200
8300	8300
8400	8400
8500	8500
8600	8600
8700	8700
8800	8800
8900	8900
9000	9000
9100	9100
9200	9200
9300	9300
9400	9400
9500	9500
9600	9600
9700	9700
9800	9800
9900	9900
10000	10000

ZINC
UNF.TOT.
MG/L
AS 7H

11.7	700 0
29.2	
49.1	
13 0	

0.0200
0.0070
0.0170
0.0570

205.0

0.0060
0.0220
0.0350

10.7	700.0
68.7	
13.0	700.0

0.0010-1
0.0250
0.0570

12	69.6	350.0
11.7	205.0	2
80.3	378.8	

0.0146<A
0.0010
0.0157<A
1

B.O.W./ SITE: BIG CREEK
 SAMPLE POINT: AT HALDEN TWP.CONC.2-3
 STREAM TYPE: RIVER

STATION ID: 16-0001-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: BIG CREEK

STOREY CODE: 02
 003
 2620

LAT: 42 05 15.76 LONG: 083 04 57.46

U T M: 17 0327750.0 4661400.0 4

DISTANCE: 7.911

H=INTERIM		TEST-NAME:		FWSADP		FGPROJ		CLIDUR		COND25		DO		FCHNF		FSMF		FMSTRC		FWTEMP		NH4UR		NH3-N	
SAMPLE		HOUR		SAMPLE		DEPTH		PROJECT		CHLORIDE		CONDUCT.		DISSOLVED		FECAL		STREPTOC		WATER		UNF-REAC		TOTAL	
DATE		TIME		NUMBER		M		SUB-PROJ		UNF-REAC		25C		OXYGEN		COLIFORM		FECAL		TEMP		MG/L		AS N	
YYMMDD		LMT						CODE		AS CL		AT 25 C		MG/L		/100ML		/100ML		DEG. C		AS N			
900110	0940	30845		0.30	0101	131.000		85.2	4.0	70AID	900	4	1.0	0.176											
900214	0930	30857		0.30	0101	218.000		137.0	12.0	10AID	6	6	1.0	0.001											
900313	1000	40725		0.30	0101	65.800		748.0	100<	100<	100<	6	12.0	0.040											
900411	0945	40737		0.30	0101	75.300		741.0	10.0	200AID	6	4.0	0.015												
900514	1055	40749		0.30	0101	88.900		875.0	7.0	1200	6	13.0	0.319												
900613	0925	40761		0.30	0101	136.000		1010.0	8.0	100AID	9	18.0	0.561												
900709	1000	40773		0.30	0101	764.000		805.0	14.0	260	6	20.0	0.092												
900814	1020	40785		0.30	0101	633.000		2450.0	2.0	1500	6	19.0	0.517												
900911	0940	40797		0.30	0101	43.000		501.0	4.0	1900	6	21.0	0.123												
901011	1410	40818		0.30	0101	39.200		496.0	7.0	4300	3	12.0	0.062												
901119	1610	40831		0.30	0101	399.000		1880.0	9.0	10AID	6	6.5	0.167												
901211	1225	40843		0.30	0101	170.000		1154.0	11.0	40AID	6	9.0	0.025												
				0.30		764.000		2450.0	14.0	4300	7400	21.0	0.561												
				0.30		230.267		906.8	8.0	809	1685	11.4	0.175												
				0.30		146.102		653.6	7.0			7.9	0.074												
				0.30		39.200		45.2	2.0	10	40	1.0	0.001												
				12		241.338		678.6	3.7			7.2	0.196												
						12		12	11			12													
H=INTERIM		TEST-NAME:		NH02UR		NH03UR		K'DAHL N		PH		PP04UR		PPUT		PSEUDONH		RSF		RSP		TURB IDITY		FTU	
SAMPLE		HOUR		UNF-REAC		UNF-REAC		TOTAL				P04		PHOSPHOR		AERUG.		RESIDUE		PARTIC.		TURB IDITY		FTU	
DATE		TIME		MG/L		MG/L		UNF-REAC		AS N		AS P		AS P		PSEUDONH		RESIDUE		PARTIC.		TURB IDITY		FTU	
YYMMDD		LMT		AS N		AS N		AS N				AS P		AS P		PSEUDONH		RESIDUE		PARTIC.		TURB IDITY		FTU	
900110	0940	30845		0.080	3.200	0.980		7.76	0.062	0.086	0	571.0	25.3												
900214	0930	30857		0.040	4.700	0.980		8.03	0.005	0.046	8	940.0	24.4												
900313	1000	40725		0.110	5.900	1.320		7.66	0.028	0.168	4	514.7	95.3												
900411	0945	40737		0.220	8.900	1.400		7.72	0.076	0.166	600	509.1	58.9												
900514	1055	40749		0.230	14.900	2.580		7.54	0.046	0.292	569.0	165.0	165.0												
900613	0925	40761		0.360	5.500	2.850		7.84	0.026	0.195	4	682.0	130.0												
900709	1000	40773		0.070	0.100	7.850		7.87	0.062	0.955	4	523.0	171.0												
900814	1020	40785		0.030	0.100	7.850		7.66	0.022	0.190	44	2068.0	66.9												
900911	0940	40797		0.230	1.600	1.820		7.57	0.127	0.510	100C	335.0	195.0												
901011	1410	40818		0.160	2.900	1.750		7.44	0.123	0.280	68C	322.0	64.4												
901119	1610	40831		0.020	0.400	0.740		8.02	0.012	0.043	4	1373.0	26.7												
901211	1225	40843		0.030	2.300	0.880		8.22	0.017	0.090	10	797.3	49.7												

(C O N T D)

B.O.W./ SITE: BIG CREEK
SAMPLE POINT: AT MALDEN TWP.CONC.2-3
STATION TYPE: RIVER

STATION ID: 16-0001-002-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: BIG CREEK

STORET CODE: 02
003
2620

LAT: 42 05 15.76 LONG: 083 04 57.46 U T M: 17 0327750.0 4661400.0 4 REGION: 01 DISTANCE: 7.911

*=INTERIM	TEST-NAME:	NN02UR	NN03UR	NN1KUR	PH	PP04UR	PPUT	PSAMF PSEUDOMN AERUG.	RSF	RSP	TURB FTU
SAMPLE DATE	HHMMSS	N02-N UNF-REAC MG/L AS N	N03-N UNF-REAC MG/L AS N	K'DAHL N UNF-REAC MG/L AS N	PH	P04 UNF-REAC MG/L AS P	PHOSPHOR UNF. TOT. MG/L AS P	MF CNT /100ML	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	
DATE	TIME	AS N	AS N	AS N	PH	AS P	AS P				
		0.360	14.900	7.850	8.22	0.460	0.955	100	2068.0	195.0	112.00
	ARITH MEAN	0.132	4.600	2.037	7.78	0.084	0.252	44	767.0	89.4	86.00
	GEOM MEAN	0.090		1.615	7.77	0.061	0.171		661.1	70.1	81.98
	MINIMUM	0.020	0.300	0.740	7.44	0.005	0.043	0	322.0	24.4	60.00
	STD DEV (GEOM %)	0.108		1.920	0.23	0.125	0.257		500.0	61.1	36.77
# SAMP IN STATISTICS		12	11	12	12	12	12	5	12	12	2
% SAMP (EXCLUDED)		8						54			

1990 WATER QUALITY DATA REGION 1

270

B.O.W./ SITE: CEDAR CREEK
 SAMPLE POINT: AT HIGHWAY NO. 18
 STATION TYPE: RIVER

STATION ID: 16-0018-002-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: CEDAR CREEK

STORRET CODE: 02
 003
 2460

DISTANCE: 4.828

REGION: 01

U T M: 17 0348350.0 4654800.0 4

LONG: 082 49 55.14

LAT: 42 01 57.17

PP04UR PPUT

PH

PBUT

NNTKUR

NN03UR

NN02UR

NNH3UR

FWTEMP

FWSTRC

TEST-NAME:

PO4
 UNF.REAC
 MG/L
 AS P

LEAD
 UNF.TOT.
 MG/L
 AS PB

TOTAL
 UNF.REAC
 MG/L
 AS N

N03-N
 UNF.REAC
 MG/L
 AS N

N02-N
 UNF.REAC
 MG/L
 AS N

UNF.REAC
 MG/L
 AS N

WATER
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STREAM
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SAMPLE
 NUMBER

DATE
 YYYHDD LHT

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B.O.W./ SITE: STURGEON RIVER

SAMPLE POINT: AT CO.RD.20.4 MILES S-E OF LEAMINGTON

STATION TYPE: RIVER FLOW GAUGE FED 026H001

STATION ID: 16-0027-001-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: STURGEON RIVER

STORET CODE: 02

003

2320

LAT: 42 01 56.00 LONG: 082 33 54.02

U T M: 17 0370450.0 4654325.0 4

REGION: 01 DISTANCE: 3.058

SAMPLE DATE YYHHDD LMT	HOUR	*INTERIM TEST-NAME:	FMSADP	FGPROJ	ALKT	CLIDUR	COND25	DO	FCHM FECAL COLIFORM /100ML	FCHM FECAL STREPTOCUS /100ML	FSHF FECAL STREPTOCUS /100ML	FMSH FECAL STREPTOCUS /100ML	FNSTRC	FWTEMP	WATER TEMP DEG.C	STREAM COND.	WATER TEMP DEG.C
SAMPLE DATE YYHHDD LMT	HOUR	*INTERIM TEST-NAME:	FMSADP	FGPROJ	ALKT	CLIDUR	COND25	DO	FCHM FECAL COLIFORM /100ML	FCHM FECAL STREPTOCUS /100ML	FSHF FECAL STREPTOCUS /100ML	FMSH FECAL STREPTOCUS /100ML	FNSTRC	FWTEMP	WATER TEMP DEG.C	STREAM COND.	WATER TEMP DEG.C
900110	1315	30855	0.30	0101	151.0	58.200	681.0	6.0	6000	13800	9	1.5					
900214	1345	30867	0.30	0101	229.0	69.200	941.0	12.0	300AID	500AID	6	1.0					
900313	1345	40735	0.30	0101	212.0	68.600	906.0		60AID	140	6	11.0					
900411	1415	40747	0.30	0101	213.0	53.000	883.0	10.0	1500	1200	6	10.0					
900514	1410	40759	0.30	0101	223.0	56.700	855.0	11.0	2100	1000	9	13.0					
900613	1330	40771	0.30	0101	225.0	75.700	914.0		900AID	500AID	9	21.5					
900709	1325	40783	0.30	0101	223.0	58.000	860.0		100	860	6	25.0					
900814	1345	40795	0.30	0101	198.0	65.100	833.0	10.0	1500	660	5	20.0					
900911	1415	40807	0.30	0101	204.0	81.500	895.0	4.0	1900	430	6	21.0					
901011	0920	40808	0.30	0101	213.0	56.200	845.0	9.0	4200	1500	3	11.5					
901119	1140	40821	0.30	0101	249.0	63.300	909.0	11.0	3700	300AID	6	5.0					
901211	0835	40833	0.30	0101				15.0	2900	380	6	3.0					
		MAXIMUM	0.30		249.0	81.500	941.0	15.0	6000	13800							
		ARITH MEAN	0.30		212.7	64.136	865.6	9.8	2151	1797							
		GEOM MEAN	0.30		211.3	63.594	862.8	9.2	60	140							
		MINIMUM	0.30		151.0	53.000	681.0	4.0									
		STD DEV (GEOM #)	12		24.6	8.931	69.6	3.2									
		# SAMP IN STATISTICS			11	11	11	9	11	11	11	11					
		% SAMP (EXCLUDED)							8	8	8	8					
SAMPLE DATE YYHHDD LMT	HOUR	*INTERIM TEST-NAME:	FMSADP	FGPROJ	ALKT	CLIDUR	COND25	DO	FCHM FECAL COLIFORM /100ML	FCHM FECAL STREPTOCUS /100ML	FSHF FECAL STREPTOCUS /100ML	FMSH FECAL STREPTOCUS /100ML	FNSTRC	FWTEMP	WATER TEMP DEG.C	STREAM COND.	WATER TEMP DEG.C
900110	1315	30855	0.035	0.270	7.600	4.500	7.70	0.606	1.420	52C	59.3						
900214	1345	30867	0.001	0.130	11.500	0.660	8.28	0.125	0.166	16	7.3						
900313	1345	40735	0.067	0.070	12.300	0.780	8.07	0.070	0.107	12	13.9						
900411	1415	40747	0.004	0.200	12.000	1.080	7.54	0.062	0.160	20	75.5						
900514	1410	40759	0.144	0.110	12.900	1.070	7.96	0.060	0.153	20	31.9						
900613	1330	40771	0.166	0.360	12.100	1.880	8.18	0.420	0.590	72C	93.7						
900709	1325	40783	0.097	0.310	13.000	1.030	8.32	0.570	0.855	36	23.5						
900814	1345	40795	0.041	0.090	10.300	0.850	8.40	0.280	0.390	16	9.2						
900911	1415	40807	0.103	0.110	9.700	1.210	8.10	0.125	0.240	32	27.7						
901011	0920	40808	0.021	0.080	14.800	1.200	7.71	0.130	0.254	20	60.4						
901119	1140	40821	0.083	0.080	7.100	0.690	8.35	0.070	0.098	32	11.7						
901211	0835	40833								80							

(C O N T D)

STATION ID: 16-0027-001-02

STORET CODE:

DISTANCE: 3.058

PSAMF
PSEUDOMN

PHOSPHOR
LINE TOTAL

RESIDUE
PARTIC-

FTU

③

9.80
9.80

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9.80

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B.O.W./ SITE: MUDDY CREEK
 SAMPLE POINT: AT FIRST BRIDGE ABOVE LAKE ERIE
 STATION TYPE: RIVER

STATION ID: 16-0032-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: MUDDY CREEK

STORET CODE: 02

003

2280

DISTANCE: 0.322

REGION: 01

U T M: 17 0378750.0 4658000.0 4

LONG: 082 27 55.92

LAT: 42 03 59.88

*INTERIM TEST-NAME:		FTEMP		NNHTUR		NN02UR		NN03UR		NNTKUR		PH		PP04UR		PPUT		PSAMF		PSEUDOMH		RSP	
				NH3-N		NO2-N		NO3-N		K'DAHL N				P04		PHOSPHOR		AERUG.					
				TOTAL		UNF.REAC		UNF.REAC		UNF.REAC		TOTAL		UNF.REAC		UNF.TOT.							
				MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
				AS N		AS N		AS N		AS N		AS N		AS P		AS P		AS P		AS P		AS P	
				AS N		AS N		AS N		AS N		AS N		AS P		AS P		AS P		AS P		AS P	
MAXIMUM		25.0		0.646		0.350		7.600		2.750		7.79		0.282		0.640		134		208.0			
ARITH MEAN		10.7		0.242		0.170		3.673		1.785		7.58		0.127		0.349		58		86.5			
GEOM MEAN		7.1		0.118		0.142		2.543		1.714		7.58		0.106		0.322				67.1			
MINIMUM		1.0		0.001		0.050		0.500		1.160		7.36		0.035		0.202		8		8.9			
STD DEV (GEOM *)		8.4		0.201		0.100		2.668		0.542		0.14		0.079		0.158				58.1			
# SAMP IN STATISTICS		11		11		11		11		12		11		11		11		6		11			
% SAMP (EXCLUDED)																		45					

*INTERIM TEST-NAME: TURB

SAMPLE		DATE		HOUR		SAMPLE		TURB IDITY	
YYMMDD		LMT		LMT		NUMBER		FTU	
900814		1325		40794		31.00			

MAXIMUM		ARITH MEAN		GEOM MEAN		MINIMUM	
31.00		31.00		31.00		31.00	

STD DEV (GEOM *)		# SAMP IN STATISTICS		% SAMP (EXCLUDED)	
1					

B.O.W./ SITE: JOHN CLARK DRAIN

SAMPLE POINT: BISSETT RD.1.1 KILO W.OF KENT CO.RD.11

STATION ID: 16-0044-001-02

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERR STREAM: RONDEAU BAYSTORET CODE: 02
003
0044

LAT: 42 17 34.93 LONG: 081 57 56.02 U T M: 17 0420400.0 4682550.0 4 REGION: 01 DISTANCE: 3.360

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME:		FWSADP	FGPROJ	CLIDUR	COND25		FCHF FECAL COLIFORM /100ML	FSHF FECAL STREPTOC /100ML	FWSTRC	FWTEMP	NH4TUR NH3-N TOTAL	NH2TUR NO2-N UNF .REAC MG/L AS N
		SAMPLE NUMBER	DEPTH M		PROJECT SUB-PROJ CODE	CHLORIDE UNF .REAC MG/L AS CL	CONDUCT. 25C UMHO/CN AT 25 C	UNF .REAC MG/L AS CL						
900122	1244	39705	0.30		0101	47.700	879.0		10AID	400AID	6	0.5	0.071	0.150
900326	1245	39735	0.30		0101	41.900	827.0		10<	10AID	6	7.0	0.007	0.040
900423	1240	39751	0.30		0101	46.200	804.0		4<	4	6	18.0	0.022	0.040
900528	1315	39766	0.30		0101	42.700	715.0		200	208	6	18.0	0.043	0.090
900625	1259	39781	0.30		0101	45.800	722.0		600>	600AID	6	22.0	0.079	0.090
900723	1330	39797	0.30		0101	56.400	773.0		400AID	600AID	6	25.0	0.010	0.030
900827	1230	39812	0.30		0101	50.500	735.0		1200	2800	6	25.0	0.002	0.050
900924	1240	39828	0.30		0101	42.800	895.0		130	370	6	16.0	0.028	0.060
901022	1249	39844	0.30		0101	46.000	865.0		100AID	2600	6	14.0	0.016	0.180
901126	1247	39859	0.30		0101	46.000	883.0		80AID	110	6	9.0	0.034	0.110
MAXIMUM														
		ARITH MEAN	0.30			56.400	885.0		1200	2800		25.0	0.079	0.260
		GEOM MEAN	0.30			46.600	798.8		303	789		15.4	0.031	0.104
		MINIMUM	0.30			46.432	795.0					11.2	0.020	0.083
		STD DEV (GEOM *)				41.900	673.0		10	4		0.5	0.002	0.030
		# SAMP IN STATISTICS	10			4.291	80.9					8.0	0.026	0.074
		% SAMP (EXCLUDED)				10	10		7	9		10	10	10

SAMPLE DATE YYMMDD	HOUR LMT	TEST-NAME:		NNO3UR	NRTKUR K'DAHL N TOTAL UNF .REAC MG/L AS N	PH	PP04UR	P04 UNF .REAC MG/L AS P	PPUT	PSAUF PSEUDOHN AERUG. MG/L AS P	RSP	TURB	TURB*ITY FTU
		SAMPLE NUMBER	DEPTH M										
900122	1244	39705	0.30		0.840	7.98	0.044	0.044	0.092	0.092	34.2		
900326	1245	39735	0.30		0.840	8.16	0.010	0.010	0.060	0.060	58.1		
900423	1240	39751	0.30		0.710	7.94	0.010	0.010	0.053	0.053	34.7		
900528	1315	39766	0.30		1.150	8.08	0.001<	0.001<	0.101	0.101	39.3		
900625	1259	39781	0.30		0.940	8.63	0.049	0.049	0.066	0.066	5.0<		
900723	1330	39797	0.30		0.880	8.07	0.013	0.013	0.035	0.035	26.6		
900827	1230	39812	0.30		0.810	7.83	0.094	0.094	0.173	0.173	58.2		
900924	1240	39828	0.30		0.900	7.99	0.033	0.033	0.062	0.062	64.9		
901022	1249	39844	0.30		1.180	7.72	0.027	0.027	0.090	0.090	36.1		
901126	1247	39859	0.30		0.570	8.19	0.014	0.014	0.036	0.036	70.8		

(C O N T D)

STATION ID: 16-0044-001-02

STORET CODE: 02
003
004

REGION: 01 **DISTANCE: 3.360**

*=INTERIM	TEST-NAME:	NN03UR	NNTKUR	PH	PP04UR	PPUT	PSAMF	RSP	TURB
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SAMPLE DATE	SAMPLE HOUR	SAMPLE NUMBER	UNF. REAC MG/L	UNF. REAC AS N	PH	UNF. REAC MG/L	UNF. TOT. AS P	MF CNT /100ML	RESIDUE PARTIC. MG/L	TURB'ITY FTU
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MAXIMUM	24,000	1,180	8.63	0.094	0.173	70.8	22.00
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ARITH MEAN	14.380	0.862	8.06	0.033	0.077	47.0	22.00
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GEOM MEAN	12.027	0.841	8.06	0.069
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MINIMUM	2.300	0.570	7.72	0.010	0.035	26.6	22.00
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STD DEV (GEOM *)	6.805	0.201	0.25	0.040
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# SAMP IN STATISTICS	10	10	10	9	10	9	1

[illegible]

B.O.W./ SITE: INDIAN CREEK
SAMPLE POINT: 1 KH SOUTH OF GUILDS
STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: RONDEAU RAY

STATION ID: 16-0050-002-02

STORET CODE: 02 00: 00:

LAT: 42 20 15.46 LONG: 081 54 33.08 U T M: 17 0425100.0 4687450.0 4 REGION: 01 DISTANCE: 3.680

#=INTERIM	TEST-NAME:	CI YIELD	CONF	CONF
	FWSADD	FGPR01		

[illegible]

900122	1300	33706	0.30	0101	32.300	815.0	110	590	6	0.5	0.033	0.040
900226	1330	33721	0.30	0101	37.500	729.0	210	10AID	6	4	0.047	0.020
900326	1305	33736	0.30	0101	45.800	789.0	10AID	20AID	6	8.0	0.025	0.040
900423	1300	33752	0.30	0101	53.600	756.0	32	44	6	18.0	0.026	0.060
900528	1330	33767	0.30	0101	60.200	734.0	600>	124	6	19.0	0.016	0.050
900625	1322	33782	0.30	0101	46.100	724.0	2900	600>	6	23.0	0.052	0.090
900725	1340	33798	0.30	0101	55.100	676.0	300AID	1900	6	25.0	0.011	0.040
900827	1249	33813	0.30	0101	51.400	736.0	1300	610	6	25.0	0.001	0.350
900924	1255	33829	0.30	0101	50.000	858.0	590	510	6	15.0	0.073	0.070
901022	1253	33845	0.30	0101	49.400	813.0	8300	2500	6	14.0	0.009	0.140
901126	1252	33860	0.30	0101	41.000	884.0	100	70AID	6	9.0	0.042	0.110

#	SAMP IN STATISTICS	% SAMP (EXCLUDED)	STD DEV (GEOM #)	MINIMUM	GEOM MEAN	ARITH MEAN	MAXIMUM
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TEST-NAME:	INTERIM	SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	WNO3UR		NNTKUR		PH	PPO4UR		PPUT	RSP	TURB'ITY FTU		
					NO3-N UNF. REAC HG/L	AS N	K'DAHL N TOTAL UNF. REAC NG/L	AS N		P04 UNF. REAC HG/L	AS P				PHOSPHOR UNF. TOT. NG/L	AS P
		9001122	1300	39706	13.600	0.920	8.03	0.032	0.060	18.1						
		39721	19.500	0.560	0.560	7.73	0.020	0.065	23.1							
		39736	17.000	0.620	0.620	8.19	0.005	0.032	14.5							
		39752	14.900	0.680	0.680	8.05	0.015	0.037	17.2							
		39767	10.300	1.200	1.200	8.14	0.001	0.043	17.6							
		39782	15.400	0.960	0.960	8.51	0.049	0.074	7.5							
		39798	4.700	0.560	0.560	8.04	0.012	0.033	23.5							
		39813	10.000	0.950	0.950	7.78	0.087	0.149	31.9							
		39829	12.700	0.790	0.790	8.05	0.025	0.051	60.1							
		39845	13.000	0.810	0.810	7.91	0.037	0.076	49.6							
		39860	16.000	0.610	0.610	8.19	0.013	0.043	84.2							

(C O N T D)

1990 WATER QUALITY DATA REGION 1

B.O.W./ SITE: INDIAN CREEK
 SAMPLE POINT: 1 KM SOUTH OF GUILDS
 STATION TYPE: RIVER

STATION ID: 16-0050-002-02

STORY CODE: 02
 003
 0050

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAN: RONDEAU BAY

DISTANCE: 3.680

REGION: 01

U T M: 17 0425100.0 4687450.0 4

LAT: 42 20 15.46 LONG: 081 54 33.08

TURB

RSP

PPUT

PP04UR

PH

NUTKUR

N03UR

*INTERIM TEST-NAME:

TURB*ITY

RESIDUE

PHOSPHOR

UNF.REAC

PH

UNF.REAC

UNF.REAC

SAMPLE

FTU

MG/L

MG/L

AS P

AS N

AS N

AS N

NUMBER

TURB*ITY

MG/L

MG/L

AS P

AS N

AS N

AS N

DATE

FTU

MG/L

MG/L

AS P

AS N

AS N

AS N

HOUR

FTU

MG/L

MG/L

AS P

AS N

AS N

AS N

YYMMDD LMT

FTU

MG/L

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TIME

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TIME

FTU

MG/L

MG/L

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: RONDEAU BAY

02
003
0051

DISTANCE: 1.600

#	*INTERIM	TEST-NAME:	FMSADP	FGPROJ	CLIDUR	CONDB25	FCNF	FSMF	FWSTRC	FWTEHP	MHUTUR		MH02U-N
											UNF	REAC	
SAMPLE	HOUR	SAMPLE	SAMPLE	PROJECT	CHLORIDE	CONDUCT.	COLIFORM	STREPCUS			UNF	REAC	
DATE		NUMBER	DEPTH	SUB-PROJ	UNF	25C	CHT	HF	CHT	WATER	UNF	REAC	
YYYYMMDD	LMT		M	CODE	AS CL	UHHO/CM	/100ML	/100ML	COND.	DEG.C	MG/L	AS N	AS N
900122	1315	39707	0.30	0101	32.900	815.0	220	700	6	0.5	0.035		0.040
900226	1345	39722	0.30	0101	43.900	706.0	1500>	610	6	0.5	0.034		0.060
900326	1318	39737	0.30	0101	28.500	747.0	110<	20AID	6	7.0	0.007		0.020
900423	1320	39753	0.30	0101	49.600	756.0	116	48	6	19.0	0.032		0.050
900528	1340	39768	0.30	0101	42.400	716.0	204	172	6	18.0	0.085		0.090
900625	1337	39783	0.30	0101	46.000	725.0	600>	600>	6	22.0	0.097		0.090
900827	1300	39814	0.30	0101	52.600	738.0	1500>	200	6	25.0	0.004		0.390
900924	1315	39830	0.30	0101	29.600	855.0	410	1500>	6	16.0	0.024		0.040
901022	1312	39846	0.30	0101	48.200	837.0	1500	1500	6	14.0	0.007		0.180
901126	1312	39861	0.30	0101	36.900	858.0	110	50	6	8.0	0.066		0.020
		MAXIMUM	0.30		52.600	858.0	410	1500		25.0	0.097		0.390
	ARITH MEAN		0.30		41.060	775.3	212	420		13.0	0.036		0.098
	GEOM MEAN				40.202	773.3				7.5	0.064		0.064
	HINIMUM		0.30		28.500	706.0	110	20		0.5	0.004		0.020
	STD DEV (GEOM *)				8.591	59.6				8.6	0.030		0.113
#	SAMP IN STATISTICS		10		10	10	5	8		10	10		10
	% SAMP (EXCLUDED)						44	20					

* = INTERIM	TEST-NAME:	MH03UR	MH03-N UNF./REAC	MHNTKUR K'DAHL N TOTAL	PH	PP04UR	PPUT	PSAMF PSEUDOMN AERUG.	RSP	TURB	TURB IDITY						
											F	T	U	TURB IDITY	F	T	U
SAMPLE DATE	HOUR																
YYMMDD	LHT																
900122	1315	39707	13.500	0.980	8.05	0.032	0.094		54.7								
900226	1345	39722	14.400	5.300	7.61	0.090	1.510		121.0								
900326	1318	39737	11.900	0.640	8.20	0.004	0.019		7.0								
900423	1320	39753	14.500	0.740	8.04	0.017	0.047		28.0								
900528	1360	39768	18.300	1.140	8.15	0.001	0.054		21.4								
900625	1337	39783	15.300	1.060	8.61	0.053	0.078		5.0								
900827	1300	39814	10.000	1.000	7.79	0.085	0.147	4	32.2								
900924	1312	39830	11.700	1.200	8.15	0.021	0.066		98.8								
901022	1315	39846	12.800	0.870	7.91	0.035	0.077		64.1								
901126	1312	39861	9.400	1.000	8.16	0.007	0.044		65.1								

(CONT'D)

1990 WATER QUALITY DATA REGION 1

280

B.O.W./ SITE: COLEMAN DRAIN
 SAMPLE POINT: KENT CO.RD.11, 1.8 KILO WEST OF HWY51,
 STATION TYPE: RIVER

STATION ID: 16-0051-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TRIBUTARY: RONDEAU BAY

STORET CODE: 02
 003
 0051

DISTANCE: 1.600

REGION: 01

U T M: 17 0427300.0 4687650.0 4

LAT: 42 20 22.70 LONG: 081 52 57.05

*=INTERIM	TEST-NAME:	NO3UR	NH4UR	PH	PP04UR	PPUT	PSAMF	RSP	TURB
			K'DAHL N				PSEUDOMN		
SAMPLE		NO3-N	TOTAL		P04	PHOSPHOR	AERUG.	RESIDUE	
DATE	HOUR	UNF .REAC	UNF .REAC		UNF .REAC	UNF .TOT.	HF	PARTIC.	TURB'ITY
YYMMDD	LHT	MG/L	MG/L	PH	MG/L	MG/L	CNT	MG/L	FTU
		AS N	AS N		AS P	AS P	/100ML		
	MAXIMUM	18.300	5.300	8.61	0.090	1.510		121.0	11.60
	ARITH MEAN	13.180	1.389	8.07	0.038	0.214		54.7	11.60
	GEOM MEAN	12.946	1.114	8.06		0.084			
	MINIMUM	9.400	0.640	7.61	0.004	0.019		7.0	11.60
	STD DEV (GEOM %)	2.633	1.386	0.27		0.457			
#	SAMP IN STATISTICS	10	10	10	9	10		9	1
%	SAMP (EXCLUDED)				10			10	

B.O.W./ SITE: SIXTEEN MILE CREEK
SAMPLE POINT: AT BACK STREET, RODNEY
STATION TYPE: RIVER

STATION ID: 16-0063-001-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: SIXTEEN MILE CREEK

STORET CODE: 02 003 1970

LAT: 42 33 20.99 LONG: 081 40 35.94

UTM: 17 0444450.0 4711500.0 4

REGION: 01

F: 8-047

TEST-NAME:	FMSADP	FGPROJ	ALKT	BOD5	CLDIR	COND25	CUUT	DO	FCFHC	FMSH	TEST-NAME:	FMSR	FWTEMP	FMSR	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE</
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(C O N T D)

B.O.W./ SITE: SIXTEEN MILE CREEK
 SAMPLE POINT: AT BACK STREET, RODNEY
 STATION TYPE: RIVER

STATION ID: 16-0063-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: SIXTEEN MILE CREEK

STORET CODE: 02
 003
 1970

LAT: 42 33 20.99 LONG: 081 40 35.94

DISTANCE: 8.047

REGION: 01

U T M: 17 0444450.0 4711500.0 4

*INTERIM TEST-NAME:

FWSTRC

FWTEMP

NN2UR

NNO3UR

NNTKUR

PBUT

PH

PPO4UR

PPUT

SAMPLE DATE

HOUR

LHT

STREAM

COND.

WATER

UNF.REAC

MG/L

AS N

UNF.REAC

MG/L

AS N

UNF.TOT.

MG/L

AS P

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM *)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

11

9

10

10

10

10

10

*INTERIM TEST-NAME:

PSEUDOWN

AERUG.

RSP

TURB

ZNUIT

ZINC

UNF.TOT.

MG/L

AS ZN

0.0075

0.0069

0.0035

SAMPLE DATE

HOUR

LHT

SAMPLE

NUMBER

RESIDUE

PARTIC.

MG/L

TURB'ITY

FTU

9.00

9.00

9.00

9.00

9.00

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM *)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

11

6

10

10

10

10

10

*INTERIM TEST-NAME:

PSEUDOWN

AERUG.

RSP

TURB

ZNUIT

ZINC

UNF.TOT.

MG/L

AS ZN

0.0075

0.0069

0.0035

SAMPLE DATE

HOUR

LHT

SAMPLE

NUMBER

RESIDUE

PARTIC.

MG/L

TURB'ITY

FTU

9.00

9.00

9.00

9.00

9.00

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM *)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

11

6

10

10

10

10

10

*INTERIM TEST-NAME:

PSEUDOWN

AERUG.

RSP

TURB

ZNUIT

ZINC

UNF.TOT.

MG/L

AS ZN

0.0075

0.0069

0.0035

SAMPLE DATE

HOUR

LHT

SAMPLE

NUMBER

RESIDUE

PARTIC.

MG/L

TURB'ITY

FTU

9.00

9.00

9.00

9.00

9.00

MAXIMUM

ARITH MEAN

GEOM MEAN

MINIMUM

STD DEV (GEOM *)

SAMP IN STATISTICS

% SAMP (EXCLUDED)

11

6

10

10

10

10

10

B.O.W./ SITE: BROCK CREEK
 SAMPLE POINT: AT MIDDLE ST. 3 MILES S. OF WEST LORNE
 STATION TYPE: RIVER

STATION ID: 16-0066-001-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TRIBUTARY: BROCK CREEK

STORET CODE: 02

003
1940

LAT: 42 34 42.00 LONG: 081 35 51.69			U T M: 17 0450950.0 4713950.0 4			REGION: 01			DISTANCE: 5.793		
*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5 5 DAY TOT. DEM.	BOD TOT. DEM.	CHLORIDE UNF. REAC.	COND25 CONDUCT. 25C	CUUT COPPER UNF. TOT.	DO DISSOLVED OXYGEN	FSHF FECAL STREPTOC
DATE	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CaCO3	MG/L AS O	MG/L AS O	MG/L AS CL	UMHO/CH AT 25 C	MG/L AS CU	MG/L AS O	CHT /100ML
900123 0915	39713	0.30	0103	174.0	0.45	41.200	703.0	0.0021<T	0.0036	12.0	520
900226 1500	39728	0.30	0103	143.0	2.96	30.200	536.0	0.0036	0.0036	14.0	40AID
900327 1445	39743	0.30	0103	156.0		35.700	570.0	0.0029	0.0029	15.0	160
900423 1350	39759	0.30	0101	168.0	6.32	39.500	607.0	0.0038	0.0038	13.0	20AID
900529 1100	39774	0.30	0103	195.0	0.90	38.700	626.0	0.0040	0.0040	10.5	560
900626 1015	39789	0.30	0103	201.0	0.45	37.500	656.0	0.0030	0.0030	10.5	600
900724 0900	39803	0.30	0101					0.0040	0.0040	9.5	810
900828 0920	39820	0.30	0103	149.0	3.14	32.300	490.0	0.0060	0.0060	9.5	1250
900925 1130	39836	0.30	0103	214.0	2.26	38.400	677.0	0.0040	0.0040	10.5	15000
901023 0915	39852	0.30	0103	164.0	0.35	41.800	610.0	0.0040	0.0040	10.5	90
901127 0925	39867		0103	214.0	0.04<	28.200	608.0	0.0030	0.0030	10.5	300
MAXIMUM											
				214.0	6.32	41.800	703.0	0.0060	0.0060	15.0	15000
ARITH MEAN				177.8	2.10	36.350	608.3	0.0037<A	0.0037<A	11.4	1822
GEOM MEAN				176.1		36.065	605.2	0.0036<A	0.0036<A	11.3	368
MINIMUM				143.0	0.35	28.200	490.0	0.0021	0.0021	9.5	20
STD DEV (GEOM *)				26.4		4.658	64.1	0.0010<A	0.0010<A	1.8	6*
# SAMP IN STATISTICS				10	8	10	10	11	11	11	11
% SAMP (EXCLUDED)					11					18	
*=INTERIM TEST-NAME:			FWSTRC			FWTEMP			NNHUTUR		
DATE	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	UNF. REAC MG/L AS N	NH3-N TOTAL MG/L AS N	NH2-N UNF. REAC MG/L AS N	NH3-N UNF. REAC MG/L AS N	K'DAMH N TOTAL UNF. REAC MG/L AS N	PBUT LEAD UNF. TOT.	PH	PPH4UR
900123 0915	39713	6	1.0	0.014	0.014	0.040	10.900	0.820	0.005<W	7.98	0.048
900226 1500	39728	6	2.0	0.262	0.030	0.030	9.300	1.090	0.005<W	7.93	0.107
900327 1445	39743	6	6.0	0.314	0.040	0.040	6.800	1.310	0.005<W	8.42	0.094
900423 1350	39759	6	17.0	0.006			8.500	2.500	0.005<W	8.20	0.156
900529 1100	39774	6	13.0	0.019	0.090	0.090	7.300	0.950	0.005<W	8.05	0.052
900626 1015	39789	6	17.0	0.004	0.080	0.080	12.800	0.650	0.005<W	8.33	0.045
900724 0900	39803	6	18.0						0.005<W		
900828 0920	39820	6	21.0	0.044	0.170	0.170	3.700	1.020	0.005<W	7.82	0.145
900925 1130	39836	6	15.0	0.008	0.090	0.090	8.200	0.870	0.005<W	8.21	0.047
901023 0915	39852	6	10.0	0.020	0.520	0.520	4.500	1.670	0.005<W	7.97	0.117
901127 0925	39867	6	10.0	0.004	0.030	0.030	6.000	1.120	0.005<W	7.94	0.124

(C O N T I D)

STATION ID: 16-0087-004-02

STORET CODE:

REGION: 01 DISTANCE: 36,370

[illegible][illegible]

(C O N T D)

B.O.W./ SITE: DODD CREEK

SAMPLE POINT: FIRST CONCESSION NORTH OF HIGHWAY 3

STATION TYPE: RIVER FLOW GAUGE MOE 02GC104

STATION ID: 16-0087-004-02

STORET CODE: 02

003

1660

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: KETTLE CREEK

LAT: 42 48 59.87 LONG: 081 16 40.70 U T N: 17 0477275.0 4740275.0 4 REGION: 01 DISTANCE: 36.370

* = INTERIM TEST-NAME:

SAMPLE DATE YYMMDD	HOUR LHT	SAMPLE NUMBER	LEAD UNF. TOT. MG/L	PBUT AS PB	PH	PP04UR P04 UNF. REAC MG/L	PPUT PHOSPHOR UNF. TOT. MG/L	PSAMF PSEUDOHIN AERUG. HF CNT /100HL	RSP RESIDUE PARTIC. MG/L	ZNUT ZINC UNF. TOT. MG/L AS ZN
900123	1500	37909			7.94	0.086	0.142	4	19.4	
900327	1340	37919	0.007<T		8.57	0.270	0.365	4<	5.0<	0.0260
900430	1300	37929	0.008<T		8.41	0.491	0.545	40	22.1	0.0320
900530	1335	37939	0.005<W		8.20	0.460	0.465	4<	6.7	0.0220
900626	1320	37949	0.005<W		8.20	0.365	0.470	4<	21.0	0.0150
900724	1200	37959						4		
901030	1200	37969	0.005<W		8.42	0.161	0.235	4<	0.5<	0.0160
901128	1320	37979			8.02	0.135	0.252	4C	55.6	
MAXIMUM										
ARITH MEAN			0.008		8.57	0.491	0.545	40	55.6	0.0320
GEOM MEAN			0.006<A		8.25	0.281	0.353	13	25.0	0.0222
MINIMUM			0.005		7.94	0.086	0.142	4	6.7	0.0150
STD DEV (GEOM *)			0.001<A		0.23	0.162	0.148	4	5	0.0071
# SAMP IN STATISTICS			5		7	7	7	4	5	5
% SAMP (EXCLUDED)								50	28	

B.O.W./ SITE: BEAVER CREEK
 SAMPLE POINT: AT POND OUTLET COMMUNITY OF UNION
 STATION TYPE: RIVER

STATION ID: 16-0087-006-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: KETTLE CREEK

STORET CODE: 02
 003
 1660

LAT: 42 42 27.38 LONG: 081 11 52.12 U T M: 17 0483800.0 4728150.0 4 REGION: 01 DISTANCE: 7.403

SAMPLE DATE	HOUR	YHMD LHT	TEST-NAME:	FMSADP	FGPROJ	ALK TOTAL NG/L AS CACO3	BOD5 5 DAY TOT.DEN. MG/L AS O	CLIDUR	COND25 CONDUCT. 25C UMHO/CM AT 25 C	DO	FCHM FECAL COLIFORM CFU /100ML	FCHM FECAL STREPCUS CFU /100ML	FWSTRC
900123	1430		37908	0.30	0101	175.0	1.28	69.800	726.0	10.0	160	730	6
900327	1235		37917	0.30	0101			33.900	619.0	9.5	10<	10<	6
900430	1150		37927	0.30	0101			35.600	593.0	9.5	10<	10<	6
900530	1135		37937	0.30	0101			33.100	629.0	9.5	52	8	6
900724	1120		37957	0.30	0101					9.5	90AID	40AID	6
901030	1140		37967	0.30	0101			35.400	686.0	9.0	40AID	50AID	6
901128	1145		37977	0.30	0101			31.000	636.0	9.0	580	1040	6

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

SAMPLE DATE	HOUR	YHMD LHT	TEST-NAME:	FWTEMP	NNHTUR NH3-N TOTAL	NN02UR NH3-N TOTAL	NN03UR NH3-N TOTAL	NNTKUR K'DAHL N TOTAL	PH	PP04UR UNF-REAC AS P	PPUT PHOSPHOR UNF-TOT. HG/L	PSAMF PSEUDOMN AERUG. HF CNT	RSP
900123	1430		37908	1.0	0.130	0.060	10.000	1.000	7.98	0.085	0.130	4<	18.7
900327	1235		37917		0.326	0.040	4.500	1.250	8.28	0.050	0.145	4<	42.5
900430	1150		37927	18.0	0.116	0.070	3.000	0.960	8.37	0.010	0.062	4<	25.0
900530	1135		37937	17.0	0.125	0.090	4.200	0.840	8.24	0.016	0.068	4<	12.3
900724	1120		37957	24.0								4	
901030	1140		37967	12.0	0.076	0.080	3.400	0.840	8.05	0.022	0.068	4<	60.0
901128	1145		37977	12.0	0.071	0.030	3.400	0.780	8.09	0.023	0.140	600C	48.9
MAXIMUM													
ARITH MEAN													
GEOM MEAN													
MINIMUM													
STD DEV (GEOM *)													
# SAMP IN STATISTICS													
% SAMP (EXCLUDED)													

STD DEV (GEOM *)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

(C O N T D)

1990 WATER QUALITY DATA REGION 1

290

B.O.W./ SITE: BEAVER CREEK
 SAMPLE POINT: AT POND OUTLET COMMUNITY OF UNION
 STATION TYPE: RIVER

STATION ID: 16-0087-006-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: KETTLE CREEK

STORET CODE: 02
 003
 1660

LAT: 42 42 27.38 LONG: 081 11 52.12

REGION: 01

DISTANCE: 7.403

*=INTERIM TEST-NAME: TURB

SAMPLE DATE YYMMDD LHT	NUMBER	TURB FTU
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900123 1430	37908	22.00
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MAXIMUM 22.00

ARITH MEAN 22.00

GEOM MEAN

MINIMUM 22.00

STD DEV (GEOM *)

SAMP IN STATISTICS 1

% SAMP (EXCLUDED)

B.O.W./ SITE: KETTLE CREEK
SAMPLE POINT: FIRST CONCESSION SOUTH WEST OF BELMONT
STATION TYPE: RIVER

STATION ID: 16-0087-007-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: KETTLE CREEK

STORET CODE: 02
003
1660

LAT: 42 52 27.59 LONG: 081 06 14.65

REGION: 01

DISTANCE: 44.417

[illegible][illegible]

(C O N T D)

B.O.W./ SITE: KETTLE CREEK

SAMPLE POINT: FIRST CONCESSION SOUTH WEST OF BELMONT
STATION TYPE: RIVER

STATION ID: 16-0087-007-02

STOREY CODE: 02
003
1660

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: KETTLE CREEK

DISTANCE: 44.417

REGION: 01

U T M: 17 0491500.0 4746650.0 4

LAT: 42 52 27.59 LONG: 081 06 14.65

*=INTERIM TEST-NAME:

PSAMF
PSEUDOMN
AERUG.MF
CNT

/100HL

RESIDUE
PARTIC.

MG/L

TURB
FTU

RSP

TURB

ZNUZ

ZINC
UNF. TOT.
MG/L
AS ZN

0.0070

0.0056

0.0023<T

0.0050

0.0090

0.0070

0.0080

0.0100

0.0100

0.0067<A

0.0062<A

0.0023

0.0024<A

8

6

7

2

71

7

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

4

B.O.W./ SITE: KETTLE CREEK

SAMPLE POINT: FIRST BRIDGE ABOVE PORT STANLEY
STATION TYPE: RIVER FLOW GAUGE MOE 02CC111

STATION ID: 16-0087-010-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: KETTLE CREEK

STORET CODE: 02

003

1660

DISTANCE: 4.828

LAT: 42 41 33.75 LONG: 081 13 03.37

U T M: 17 0482175.0 4726500.0 4

REGION: 01

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALK	CLIDUR	COND25	CUUT	DO	FSHF	FSHF	FMSTRC
SAMPLE	SAMPLE	DEPTH	PROJECT	TOTAL	CHLORIDE	CONDUCT.	COPPER	DISOLVED	COLIFORM	STREPTOC	
DATE	DEPTH	M	SUB-PROJ	MG/L	UNF-REAC	25C	UNF-TOT	OX/GEN	COLIFORM	UNF-TOT	
Y1HHDD	LHT		CODE	AS CAC03	AS CL	AT 25 C	MG/L	AS O	MG/L	MG/L	
							AS CU		CHT	CHT	STREAM
									/100HL	/100HL	COND.

900123	1345	37906	0101	170.0	68.300	728.0	0.0036	8.0	480	290	6
900327	1200	37916	0101	199.0	57.700	700.0	0.0033	9.0	30AID	6	
900430	1120	37926	0101	195.0	56.900	671.0	0.0040	9.0	140	20AID	6
900530	1110	37936	0101	173.0	57.100	663.0	0.0040	9.0	1500>	84	6
900626	1135	37946	0101	194.0	62.700	697.0	0.0050	9.0	6600	440	6
900724	1050	37956	0103	167.0	61.700	625.0	0.0050	9.0	5800	300AID	6
901030	1120	37966	0101	299.0	43.000	765.0	0.0060	9.5	1000>	390	6
901128	1130	37976	0101	264.0	40.800	705.0		9.5	1200	660	6

	MAXIMUM	MINIMUM	STD DEV (GEOM #)	% SAMP IN STATISTICS	% SAMP (EXCLUDED)
ARITH MEAN	299.0	207.6	56.025	694.2	0.0043
GEOM MEAN	203.3	55.256	693.1	0.0042	163
MINIMUM	167.0	40.800	625.0	0.0033	20
STD DEV (GEOM #)	48.1	9.514	42.4	0.0010	4*
% SAMP IN STATISTICS	8	8	8	6	8
% SAMP (EXCLUDED)				25	

*=INTERIM	TEST-NAME:	FWTEMP	NNHUR	NN02UR	NN03UR	NNTKUR	PBUT	PH	PP04UR	PPUT	PSAHF
SAMPLE	SAMPLE	WATER	UNF-TOT	UNF-REAC	UNF-REAC	UNF-REAC	UNF-TOT	UNF-REAC	UNF-REAC	PHOSPHOR	PSEUDONH
DATE	TEMP	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UNF-TOT	AERUG.
Y1HHDD	LHT	DEG.C	AS N	AS N	AS N	AS N	AS PB	AS P	AS P	CHT	HF
										/100HL	/100HL

900123	1345	37906	0.153	0.090	9.900	1.020	0.005<W	0.078	0.132	4<	
900327	1200	37916	0.058	0.050	6.700	0.650	0.005<W	0.037	0.070	12	
900430	1120	37926	0.056	0.070	4.900	1.000	0.005<W	0.024	0.120	4C	
900530	1110	37936	0.042	0.080	7.000	1.100	0.005<W	0.043	0.135	24	
900626	1135	37946	0.034	0.360	10.900	1.600	0.005<W	0.114	0.285	72	
900724	1050	37956	0.044	0.060	6.100	1.500	0.005<W	0.119	0.240	120	
901030	1120	37966	0.003	0.160	6.000	0.790	0.005<W	0.039	0.115	68	
901128	1130	37976	0.173	0.080	4.600	1.650		0.112	0.365	16<	

	MAXIMUM	MINIMUM	STD DEV (GEOM #)	% SAMP IN STATISTICS	% SAMP (EXCLUDED)
ARITH MEAN	24.0	14.9	7.012	0.005<A	0.071
GEOM MEAN	11.1	0.045	6.723	0.005<A	0.163
MINIMUM	1.0	0.003	4.600	0.005	0.060
STD DEV (GEOM #)	7.4	0.060	2.258	0.000<A	0.070
% SAMP IN STATISTICS	7	8	8	6	8
% SAMP (EXCLUDED)				8	

(C O N T D)

B.O.W./ SITE: KETTLE CREEK
 SAMPLE POINT: FIRST BRIDGE ABOVE PORT STANLEY
 STATION TYPE: RIVER FLOW GAUGE MOE 02GC111

STATION ID: 16-0087-010-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: KETTLE CREEK

STOREY CODE: 02

003

1660

LAT: 42 41 33.75 LONG: 081 13 03.37

REGION: 01

U T M: 17 0482175.0 4726500.0 4

DISTANCE: 4.828

SAMPLE DATE YYMMDD LMT	HOUR	TEST-NAME:	PIPCBT	RSF	RSP	ZNYT	ZINC	UNF. TOT.	MG/L	AS ZN
900123	1345	37906		476.6	29.4					
900327	1200	37916	NO DATA	464.0	18.0			0.0074		
900430	1120	37926		436.0	48.3			0.0042		
900530	1110	37936	20-W	528.9	27.1			0.0090		
900626	1135	37946	20-W	404.0	99.4			0.0030		
900724	1050	37956		406.0	54.3			0.0070		
901030	1120	37966		497.0	100.0			0.0030		
901128	1130	37976	NO DATA	458.0	115.0					
MAXIMUM										
ARITH MEAN				528.9	115.0			0.0090		
GEOM MEAN				458.8	61.4			0.0056		
MINIMUM				20<A	50.6			0.0051		
STD DEV (GEOM %)				20	18.0			0.0030		
# SAMP IN STATISTICS				0<A	38.0			0.0025		
% SAMP (EXCLUDED)				2	8			6		

STATION ID: 16-0087-012-02

STORET CODE: 02
003
1660

REGION: 01 DISTANCE: 17.059

TEST-NAME:										TEST-NAME:															
SAMPLE		HOUR		SAMPLE NUMBER		FNSADP		FGPROJ		ALKT		BOD5		CLDIUR		COND25		CRUT		CUUT		DO		FCHP	
DATE						DEPTH		PROJECT		TOTAL		5 DAY		CHLORIDE		CONDUCT.		CHROMIUM		COPPER		DISOLVED		COLIFORM	
YYYYMMDD		LMT		M		M		SUB-PROJ		AS CAC03		TOT. DEM.		UNF. REAC		AT 25 C		UNF. TOT.		UNF. TOT.		OXYGEN		CMT	
								CODE		AS CAC03		HG/L		AS CL		UMHO/CM		AS CR		AS CU		HG/L		/100HL	
		900123	1410	37907	0.30	0101		0101		191.0		1.48	37.100	574.0	0.0070	0.0030	9.0	0.0030	9.0	0.0030	9.0	0.0030	9.0	490	
		900327	1400	37918	0.30	0101		0101		185.0		2.96	61.400	702.0	0.0070	0.0032	9.5	0.0032	9.5	0.0032	9.5	0.0032	9.5	250	
		900430	1230	37928	0.30	0101		0101		148.0		2.60	53.800	616.0	0.0040	0.0040	9.0	0.0040	9.0	0.0040	9.0	0.0040	9.0	430	
		900530	1150	37938	0.30	0101		0101		195.0		3.74	58.000	707.0	0.0050	0.0050	9.5	0.0050	9.5	0.0050	9.5	0.0050	9.5	390	
		900826	1150	37948	0.30	0101		0101		300.0		1.23	40.000	759.0	0.0070	0.0040	9.5	0.0040	9.5	0.0040	9.5	0.0040	9.5	4600	
		900724	1135	37958	0.30	0101		0101		258.0		3.56	39.900	694.0	0.0070	0.0040	9.0	0.0050	9.0	0.0050	9.0	0.0050	9.0	10000	
		901030	1330	37968	0.30	0101		0101		300.0		1.23	40.000	759.0	0.0070	0.0040	9.0	0.0050	9.0	0.0050	9.0	0.0050	9.0	1500	
		901128	1210	37978	0.30	0101		0101		300.0		3.74	61.400	759.0	0.0070	0.0040	9.5	0.0040	9.5	0.0040	9.5	0.0040	9.5	4900	
		MAXIMUM			0.30					212.8		2.59	50.014	674.9	0.0070	0.0040	9.2	0.0040	9.2	0.0040	9.2	0.0040	9.2	1794	
		ARITH MEAN			0.30					207.1		2.39	49.014	672.4	0.0070	0.0040	9.0	0.0040	9.0	0.0040	9.0	0.0040	9.0	250	
		GEOM MEAN			0.30					148.0		1.23	37.100	574.0	0.0070	0.0030	9.0	0.0030	9.0	0.0030	9.0	0.0030	9.0	7	
		MINIMUM			0.30					55.5		1.05	10.605	61.5	0.0070	0.0008	0.3	0.0008	0.3	0.0008	0.3	0.0008	0.3	12	
		STD DEV (GEOM %)			8	6				6		6	7	7	1	7	8	7	8	7	8	7	12		
		% SAMP IN STATISTICS																					7		
		% SAMP (EXCLUDED)																					7		
TEST-NAME:										TEST-NAME:															
SAMPLE		HOUR		SAMPLE NUMBER		FEUT		FSMF		FMSTRC		FWTEMP		NIUT		NNHTUR		NN02UR		NN03UR		NNTKUR		PBTU	
DATE						UNF. TOT.		STREPCUS		STREAM		WATER		NICKEL		NH3-N		NO2-N		NO3-N		K'DAHL		LEAD	
YYYYMMDD		LMT				HG/L		CMT		COND.		TEMP		AS NI		TOTAL		UNF. REAC		UNF. REAC		UNF. REAC		UNF. TOT.	
						AS FE		/100HL				DEG.C				AS N		AS N		AS N				AS PB	
		900123	1410	37907	320	6		6		6		1.0	0.163	0.060	0.060	0.163	0.060	0.060	0.060	7.200	1.050	0.005<W	0.005<W	0.005<W	
		900327	1400	37918	10AID	6		6		6		18.0	0.051	0.060	0.051	0.060	0.051	0.060	0.051	7.100	0.650	0.005<W	0.005<W	0.005<W	
		900430	1230	37928	20AID	6		6		6		18.0	0.068	0.110	0.068	0.110	0.068	0.110	0.068	5.100	1.020	0.005<W	0.005<W	0.005<W	
		900530	1150	37938	10<	6		6		6		17.0	0.037	0.060	0.037	0.060	0.037	0.060	0.037	7.300	1.050	0.005<W	0.005<W	0.005<W	
		900626	1150	37948	600	6		6		6		19.0	0.051	0.300	0.051	0.300	0.051	0.300	0.051	10.800	1.650	0.005<W	0.005<W	0.005<W	
		900724	1135	37958	20AID	6		6		6		24.0	0.007	0.210	0.007	0.210	0.007	0.210	0.007	5.700	0.920	0.005<W	0.005<W	0.005<W	
		900724	1135	37958	220	6		6		6		12.0	0.036	0.036	0.036	0.036	0.036	0.036	0.036	3.400	1.040	0.005<W	0.005<W	0.005<W	
		901030	1330	37968	860	6		6		6		12.0	0.006<T	0.006<T	0.006<T	0.006<T	0.006<T	0.006<T	0.006<T	3.400	1.040	0.005<W	0.005<W	0.005<W	
		901128	1210	37978	1.000																				
		MAXIMUM			860					860		24.0	0.006	0.006	0.006	0.163	0.300	0.300	10.800	1.650	1.650	1.650	0.005		
		ARITH MEAN			319					319		14.7	0.006<A	0.006<A	0.006<A	0.059	0.119	0.119	6.657	1.054	1.054	1.054	0.005<A		
		GEOM MEAN										11.0	0.006	0.006	0.006	0.043	0.089	0.089	6.310	1.021	1.021	1.021	0.005<A		
		MINIMUM			10					10		1.0	0.006	0.006	0.006	0.007	0.030	0.030	3.400	0.650	0.650	0.650	0.005		
		STD DEV (GEOM %)										7.3	0.050	0.050	0.050	0.050	0.100	0.100	2.310	0.299	0.299	0.299	0.000<A		
		% SAMP IN STATISTICS			1					1		7		1		7	7	7	7	7	7	7	7	7	
		% SAMP (EXCLUDED)																						7	

(C O N T D)

1990 WATER QUALITY DATA REGION 1

297

B.O.W./ SITE: KETTLE CREEK
 SAMPLE POINT: AT COUNTY ROAD NO 31 NORTH OF ST THOMAS
 STATION TYPE: RIVER

STATION ID: 16-0087-015-02

HAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: KETTLE CREEK

STORET CODE: 02
 003
 1660

LAT: 42 48 41.98 LONG: 081 10 16.44 U T M: 17 0686000.0 4739700.0 4 REGION: 01 DISTANCE: 29.933

*INTERIM TEST-NAME:												
FWSADP		FPROJ	CLIDUR	COND25	CRUT	CUUT	D0	FCMF	FEUT	FSHF		
CHLORIDE		CHROMIUM	COPPER	DISOLVED	COLIFORM	IRON	STREPTUS					
UNF .REAC		UNF .TOT.	UNF .TOT.	MG/L	MG/L	MG/L	MG/L					
AS CL		AS CR	AS CU	AS O	AS PB	AS PH	AS P					
AT 25 C												
900123	1000	37901	0.30	0101	31.300	0.0038	0.0030	10.0	10.0	100AID	0.480	500AID
900327	0900	37911	0.30	0101	30.300			9.5		30AID		10<
900430	1420	37921	0.30	0101	35.300					44		56
900530	0900	37931	0.30	0101	31.700			9.0	9.0	1500>		564
900626	0900	37941	0.30	0101	41.600			9.5	9.5	200AID		100<
900723	1230	37951	0.30	0101	37.800			9.0	9.0	10<		10<
901030	0930	37961	0.30	0101	32.500			9.0	9.0	1000>		1500>
901128	0900	37971	0.30	0101	29.600							
MAXIMUM												
ARITH MEAN												
GEOM MEAN												
MINIMUM												
STD DEV (GEOM %)												
# SAMP IN STATISTICS												
% SAMP (EXCLUDED)												
*INTERIM TEST-NAME:												
FWSTRC		FWTEHP	NIUT	NHHTUR	NH22UR	NH03UR	NNTKUR	PH	PBUT	PO4		
STREAM		WATER	NICKEL	NH3-N	NH2-N	NH3-N	K'DAHL N	LEAD	UNF .REAC	UNF .REAC		
COND.		TEMP	UNF .TOT.	UNF .REAC	UNF .REAC	UNF .REAC	UNF .REAC	MG/L	MG/L	MG/L		
		DEG.C	AS NI	AS N	AS N	AS N	AS N	AS PB	AS PH	AS P		
900123	1000	37901	6	1.0	0.003<T	0.197	10.900	1.500	7.68	0.069		
900327	0900	37911	6			0.034	5.700	0.570	8.17	0.021		
900430	1420	37921	6	9.5		0.084	3.300	1.160	8.24	0.021		
900530	0900	37931	6	17.0		0.185	7.200	1.420	7.65	0.019		
900626	0900	37941	6	19.0		0.126	15.600	1.900	8.24	0.091		
900723	1230	37951	6	23.0		0.073	5.100	1.040	8.15	0.059		
901030	0930	37961	6	12.0		0.035	4.500	0.710	8.15	0.006		
901128	0900	37971	6	12.0		0.041	3.900	1.260	8.11	0.062		
MAXIMUM												
ARITH MEAN												
GEOM MEAN												
MINIMUM												
STD DEV (GEOM %)												
# SAMP IN STATISTICS												
% SAMP (EXCLUDED)												

(CONT'D)

1990 WATER QUALITY DATA REGION 1

STATION ID: 16-0087-015-02

STORET CODE: 02
003
1660

DISTANCE: 29.933

B.O.W./ SITE: KETTLE CREEK
SAMPLE POINT: AT COUNTY ROAD NO 31 NORTH OF ST THOMAS
STATION TYPE: RIVERMAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: KETTLE CREEK

U T M: 17 0486000.0 4739700.0 4

REGION: 01

LAT: 42 48 41.98 LONG: 081 10 16.44

*=INTERIM	TEST-NAME:	PPUT	PSAMF PSEUDOMN AERUG.	RSP	ZNUT
SAMPLE DATE YYMMDD LHT	SAMPLE NUMBER	PHOSPHOR UNF. TOT. MG/L AS P	HF CNT /100ML	RESIDUE PARTIC. MG/L	ZINC UNF. TOT. MG/L AS ZN
900123 1000	37901	0.140	10A1D	21.4	0.0050
900327 0900	37911	0.052		19.9	
900430 1420	37921	0.148	4<	92.2	
900530 0900	37931	0.134	4<	71.7	
900626 0900	37941	0.205	4<	57.5	
900723 1230	37951	0.146	4<	41.6	
901030 0930	37961	0.029	4<	76.8	
901128 0900	37971	0.244	12C	108.0	
	MAXIMUM	0.244	12	108.0	0.0050
	ARITH MEAN	0.137	11	61.1	0.0050
	GEOM MEAN	0.115		52.3	
	MINIMUM	0.029	10	19.9	0.0050
	STD DEV (GEOM *)	0.071	2	32.1	
# SAMP IN STATISTICS		8		8	1
% SAMP (EXCLUDED)			71		

1990 WATER QUALITY DATA REGION 1

300

B.O.W./ SITE: KETTLE CREEK
 SAMPLE POINT: AT ELGIN CO. ROAD NO.16 ST. THOMAS
 STATION TYPE: RIVER FLOW GAUGE FED.026C002

STATION ID: 16-0087-016-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: KETTLE CREEK

STORET CODE: 02
 003
 1660

LAT: 42 46 40.96 LONG: 081 12 50.14 U T M: 17 0482500.0 4735975.0 4 REGION: 01 DISTANCE: 21.564

*INTERIM TEST-NAME:

PBUT

PH

PP04UR

PPUT

PSANF
PSEUDOHN

RSP

ZNUT

SAMPLE
 DATE HOUR
 YYMMDD LMT

LEAD
 UNF.TOT.
 MG/L
 AS PB

PH

P04
 UNF.REAC
 MG/L
 AS P

PHOSPHOR
 UNF.TOT.
 MG/L
 AS P

HF
 CNT
 /100HL

RESIDUE
 PARTIC.
 MG/L

ZINC
 UNF.TOT.
 MG/L
 AS ZN

900123 1525
 900327 0830
 900430 1430
 900530 1150
 900626 0915
 900723 1215
 901030 1300
 901128 1340

0.005-W
 0.005-W
 0.005-W
 0.005-W
 0.005-W
 0.005-W
 0.005-W

8.00
 8.13
 8.39
 8.30
 8.00
 7.96
 8.17
 8.16

0.059
 0.037
 0.012
 0.007
 0.028
 0.047
 0.034
 0.061

0.102
 0.088
 0.095
 0.096
 0.180
 0.195
 0.086
 0.178

16
 4<
 4<
 4
 16
 4<
 372
 40C

5.0<
 29.8
 73.2
 25.4
 64.2
 63.9
 61.7
 83.5

0.0074
 0.0036
 0.0040
 0.0100
 0.0130
 0.0010<T
 0.0060

MAXIMUM
 ARITH MEAN
 GEOM MEAN
 MINIMUM
 STD DEV (GEOM #)
 # SAMP IN STATISTICS
 % SAMP (EXCLUDED)

0.005
 0.005-A
 0.005-A
 0.005
 0.000-A
 7

8.39
 8.14
 8.14
 7.96
 0.15
 8

0.061
 0.036
 0.029
 0.007
 0.020
 8

0.195
 0.127
 0.120
 0.086
 0.048
 8

372
 90
 4
 4
 5
 37

83.5
 57.4
 25.4
 7
 12

0.0130
 0.0064-A
 0.0050-A
 0.0010
 0.0041-A
 7

B.O.W./ SITE: CATFISH CREEK
 SAMPLE POINT: AT CONC ROAD 2 MILES EAST OF SPARTA
 STATION TYPE: RIVER FLOW GAUGE FED 02GCO18

STATION ID: 16-0097-003-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: CATFISH CREEK

STORET CODE: 02

003
1570

LAT: 42 42 08.51 LONG: 081 02 44.83

U T M: 17 0496250.0 4727550.0 4

REGION: 01 DISTANCE: 5.150

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ASUT	CLTDUR	COND25	CRUT	CUUT	DO	FCHFCOLIFORM
SAMPLE DATE YYHHDD LHT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL HG/L AS CAC03	ARSENIC UNF. TOT. MG/L AS AS	CHLORIDE UNF. REAC HG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF. TOT. HG/L AS CR	COPPER UNF. TOT. NG/L AS CU	DISOLVED OXYGEN HG/L AS O	HF CNT /100ML
900123 1330	37905	0.30	0101	184.0	0.001<W	59.900	734.0		0.0027	9.5	100
900327 1110	37915	0.30	0101	205.0	0.001<W	35.900	657.0	0.0250		9.5	10<
900430 1100	37925	0.30	0101	194.0	0.001<W	36.500	618.0		0.0017<T	9.0	50A1D
900530 1050	37935	0.30	0101	207.0	0.001<W	34.000	637.0		0.0030	9.5	40
900626 1110	37945	0.30	0101	219.0	0.001<W	36.500	656.0		0.0050	9.5	1140
900724 1030	37955	0.30	0103	215.0	0.001<W	37.500	613.0		0.0040	9.0	300A1D
901030 1600	37965	0.30	0101	268.0	0.001<W	32.400	702.0		0.0050	9.5	100
901128 1110	37975	0.30	0101	210.0	0.001<W	32.700	610.0		0.0090	9.0	180
	MAXIMUM	0.30		268.0	0.001	59.900	734.0	0.0250	0.0090	9.5	1140
	ARITH MEAN	0.30		212.7	0.001<A	38.175	653.4	0.0250	0.0043<A	9.3	273
	GEOM MEAN			211.6	0.001<A	37.451	652.1		0.0038<A	9.3	
	MINIMUM	0.30		184.0	0.001	32.400	610.0	0.0250	0.0017	9.0	40
	STD DEV (GEOM #)			25.0	0.000<A	8.976	44.6		0.0024<A	0.3	
	# SAMP IN STATISTICS	8		8	7	8	8	1	7	8	7
	% SAMP (EXCLUDED)										12

*=INTERIM	TEST-NAME:	FEUT	FSNF	FMSTRC	FWTEMP	NHNTUR NH3-N TOTAL	NN02UR NO2-N UNF. REAC MG/L	NN03UR NO3-N UNF. REAC MG/L	NNTKUR K'DAHL N TOTAL	PBUT	LEAD UNF. TOT. MG/L	AS PB	PH
SAMPLE DATE YYHHDD LMT	SAMPLE NUMBER	IRON UNF. TOT. MG/L	FECAL STREPCUS HF /100ML	STREAM COND.	WATER TEMP DEG. C	NHNTUR NH3-N TOTAL	NN02UR NO2-N UNF. REAC MG/L	NN03UR NO3-N UNF. REAC MG/L	NNTKUR K'DAHL N TOTAL	PBUT	LEAD UNF. TOT. MG/L	AS PB	PH
900123 1330	37905	0.460	380	6	1.0	0.058	0.090	9.900	1.150	0.005<W	8.04	8.04	8.04
900327 1110	37915	0.094<T	20A1D	6	18.0	0.045	0.030	5.700	0.560	0.005<W	8.17	8.17	8.17
900430 1100	37925	0.310	10A1D	6	17.0	0.016	0.090	3.700	0.800	0.005<W	8.31	8.31	8.31
900530 1050	37935	1.100	60	6	19.0	0.012	0.060	4.600	0.620	0.005<W	8.16	8.16	8.16
900626 1110	37945	0.070<T	396	6	24.0	0.100	0.100	6.400	1.050	0.005<W	8.47	8.47	8.47
900724 1030	37955	0.070<T	100A1D	6	12.0	0.049	0.040	2.600	1.060	0.005<W	8.22	8.22	8.22
901030 1600	37965	0.070<T	40A1D	6	12.0	0.049	0.020	4.600	0.630	0.005<W	8.23	8.23	8.23
901128 1110	37975	7.100	1500>	6	12.0	0.173	0.080	4.600	1.650	0.009<T	8.04	8.04	8.04
MAXIMUM		7.100	396		24.0	0.173	0.100	9.900	1.650	0.009	8.47	8.47	8.47
ARITH MEAN		1.315<A	144		14.7	0.065	0.064	5.262	0.940	0.006<A	8.20	8.20	8.20
GEOM MEAN		0.339<A			11.0	0.046	0.056	4.911	0.883	0.005<A	8.20	8.20	8.20
MINIMUM		0.070	10		1.0	0.012	0.020	2.600	0.560	0.005	8.04	8.04	8.04
STD DEV (GEOM #)		2.577<A			7.3	0.056	0.031	2.199	0.366	0.002<A	0.14	0.14	0.14
# SAMP IN STATISTICS		7			7		8	8	8	7			
% SAMP (EXCLUDED)													

(C O N T D)

B.O.W./ SITE: CATFISH CREEK

SAMPLE POINT: AT CONC ROAD 2 MILES EAST OF SPARTA

STATION TYPE: RIVER FLOW GAUGE FED 02GCO18

STATION ID: 16-0097-003-02

STORET CODE: 02

003

1570

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: CATFISH CREEK

*=INTERIM TEST-NAME: PPD4UR LAT: 42 42 08.51 LONG: 081 02 44.83 U T M: 17 0496250.0 4727550.0 4 REGION: 01 DISTANCE: 5.150

SAMPLE DATE YYMMDD	HOUR LHT	SAMPLE NUMBER	P04 UNF-REAC MG/L	PPUT PHOSPHOR UNF-TOT. MG/L	PSAMF PSEUDOMN AERUG. NF CNT /100ML	RSF RESIDUE FILTERED MG/L	RSP RESIDUE PARTIC. MG/L	ZNUZ ZINC UNF-TOT. MG/L	AS ZN
900123	1330	37905	0.064	0.115	4	485.6	20.4	0.0064	
900327	1110	37915	0.025	0.050	4<	439.3	10.7		
900430	1100	37925	0.013	0.140	4<	402.0	16.0	0.0005<W	
900530	1050	37935	0.011	0.046	4<	528.1	11.9	0.0020<T	
900626	1110	37945	0.050	0.180	4<	426.0	67.7	0.0070	
900724	1030	37955	0.022	0.126	4<	398.0	43.7	0.0005<W	
901030	1600	37965	0.007	0.037	4<	456.0	64.0	0.0020<T	
901128	1110	37975	0.112	0.365	4<	396.0	123.0	0.0350	
MAXIMUM									
ARITH MEAN			0.112	0.365	4	528.1	123.0	0.0350	
GEOM MEAN			0.038	0.132	4	441.4	44.7	0.0076<A	
MINIMUM			0.026	0.102	4	439.3	31.5	0.0029<A	
STD DEV (GEOM #)			0.007	0.037	4	396.0	10.7	0.0005	
# SAMP IN STATISTICS			8	8	1	46.9	39.1	0.0124<A	7
% SAMP (EXCLUDED)					87		8		

STATION ID: 16-0097-005-02

STORET CODE: 02
003
1570

REGION: 01
DISTANCE: 24.944

N=INTERIM TEST-NAME:										FMSADP										FGPROJ		ALKT		B0D5		CLIDUR		COND25		CUUT		DO		FCMF		FSMF	
SAMPLE DATE		HOUR		SAMPLE NUMBER		SAMPLE DEPTH		M		PROJECT SUB-PROJ CODE		ALK TOTAL		MG/L AS CAC03		TOT DEM.		5 DAY		BOD		CHLORIDE UNF REAC		CONDUCT. 25C		COPPER UNF TOT		DISSOLVED OXYGEN		COLIFORMI MF		FECAL STREPTOCOCCI					
YYMMDD	LMT																																				
900123	1135			37903		0.30				0101		190.0				0.69						52.600		756.0		0.0034		9.5		210		180					
900327	0955			37913		0.30				0101		210.0				0.90						36.800		703.0		0.0029		9.5		60AID		16					
900430	1020			37923		0.30				0101		195.0				8.14						67.000		795.0		0.0033		9.5		260		40AID					
900530	0950			37933		0.30				0101		219.0				1.47						37.000		708.0		0.0030		9.0		1130		130					
900626	1015			37943		0.30				0101		225.0				0.60						42.700		727.0		0.0040		9.0		1340		160					
900723	1335			37953		0.30				0103		237.0				4.92						44.100		714.0		0.0040		9.0		1350		7000					
901030	1020			37963		0.30				0101		280.0				0.74						37.000		773.0		0.0050		9.0		160		140					
901128	1045			37973		0.30				0101		229.0				4.16						34.300		654.0		0.0040		9.5		1000>		1500>					
MAXIMUM						0.30						280.0				8.14					67.000			795.0			0.0050			1350			7000				
ARITH MEAN						0.30						223.1				2.70					43.937			728.7			0.0037			644			1138				
GEOM MEAN												221.7				1.69					42.898			727.5			0.0036										
MINIMUM						0.30						190.0				0.60					34.300			654.0			0.0029			60			16				
STD DEV (GEOM M)												28.1				2.77					11.010			44.7			0.0007										
# SAMP IN STATISTICS												8				8					8			8			8						7				
% SAMP EXCLUDED																																	12				
N=INTERIM TEST-NAME:										FMSTRC										FWTEMP		NMHTUR		NR02UR		NRH03UR		PBUT		PH		PP04UR		PPUT			
SAMPLE DATE		HOUR		SAMPLE NUMBER		STREAM COND.				WATER TEMP DEG.C		UNF REAC MG/L AS N		NH3-N TOTAL		NH02-N UNF REAC		MG/L AS N		NO3-N UNF REAC		K DAHL N TOTAL		LEAD UNF TOT		UNF REAC MG/L AS P		P04 UNF REAC MG/L AS P		PHOSPHOR UNF TOT							
YYMMDD	LMT																																				
900123	1135			37903		4				1.0		0.017				0.140					11.000		0.960		0.005<M		7.97		0.072		0.120						
900327	0955			37913		6				18.0		0.100<				0.080					3.800		0.690		0.005<M		8.12		0.047		0.082						
900430	1020			37923		6				17.0		0.081				0.250					6.200		3.650		0.005<M		8.21		0.188		0.275						
900530	0950			37933		6				19.0		0.145				0.060					6.200		1.720		0.005<M		8.01		0.053		0.115						
900626	1015			37943		6				24.0		0.060				0.060					6.200		1.150		0.005<M		8.28		0.088		0.175						
900723	1335			37953		6				24.0		0.028				0.040					3.800		1.350		0.005<M		8.21		0.080		0.310						
901030	1020			37963		6				12.0		0.040				0.040					6.500		0.600		0.005<M		8.19		0.012		0.045						
901128	1045			37973		6				12.0		0.130				0.130					5.600		1.750		0.005<M		7.90		0.129		0.315						
MAXIMUM												0.382				0.250					11.000			3.650			0.005			0.188			0.315				
ARITH MEAN												0.119				0.109					6.200			1.369			0.005<A			0.084			0.180				
GEOM MEAN												0.094				0.094					5.886			1.157			0.005<A			0.066			0.149				
MINIMUM												0.017				0.040					3.800			0.680			0.005			0.012			0.045				
STD DEV (GEOM M)												0.066				0.066					2.246			0.994			0.000<A			0.054			0.107				
# SAMP IN STATISTICS												6				8					8			8			8						8				
% SAMP EXCLUDED																																					

(CONT'D)

1990 WATER QUALITY DATA REGION 1

B.O.W./ SITE: CATFISH CREEK
 SAMPLE POINT: AT HIGHWAY NO 3 WEST OF ORWELL
 STATION TYPE: RIVER FLOW GAUGE MOE 02GGC110

STATION ID: 16-0097-005-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: CATFISH CREEK

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: CATFISH CREEK

STORET CODE: 02

003

1570

REGION: 01

U T M: 17 0496475.0 4735675.0 4

LAT: 42 46 31.92 LONG: 081 02 35.12

DISTANCE: 24.944

*=INTERIM TEST-NAME:

PSAMF
PSEUDOMN
AERUG.

RSP

TURB

ZNUIT

SAMPLE
DATE
YYMMDD LMT

SAMPLE
NUMBER

HF
CNT
/100ML

RESIDUE
PARTIC.
MG/L

TURB'ITY
FTU

ZINC
UNF.TOT.
MG/L
AS ZN

900123 1135 37903

12

23.6

20.00

0.0058

900327 0955 37913

8

22.5

15.00

0.0032

900430 1020 37923

4<

19.9

17.40

0.0014<T

900530 0950 37933

4<

27.9

24.00

0.0050

900626 1015 37943

4<

34.3

30.00

0.0020<T

900723 1335 37953

4<

102.0

104.00

0.0005<W

901030 1020 37963

4<

19.8

53.00

0.0010<T

901128 1045 37973

12C

73.9

104.00

0.0070

MAXIMUM

12

102.0

104.00

0.0070

ARITH MEAN

11

40.5

37.63

0.0032<A

GEOM MEAN

8

33.3

29.77

0.0023<A

MINIMUM

8

19.8

15.00

0.0005

STD DEV (GEOM #)

3

30.6

31.93

0.0024<A

SAMP IN STATISTICS

62

8

7

8

% SAMP (EXCLUDED)

B.O.W./ SITE: CATFISH CREEK
SAMPLE POINT: AT ELGIN COUNTY ROAD NO 40 GLENCOLIN
STATION TYPE: RIVER

STATION ID: 16-0097-006-02

MAJOR BASIN: GREAT LAKES
MINOR BASIN: LAKE ERIE
TERM STREAM: CATFISH CREEK

STORET CODE: 02
003
1570

LAT: 42 47 34.29 LONG: 080 55 53.50

U T M: 17 0505600.0 4737600.0 4

DISTANCE: 34.761

[illegible]

#	INTERIM	TEST-NAME:	FMSRCD	FWTEMP	NHTHUR NH3-N	NN02UR NO2-N	NN03UR NO3-N	NHTKUR K'DAHLN	PBUT	PH	PP04UR P04	PPUT	PHOSPHOR					
													UNF.-REAC	UNF.-TOT.	UNF.-REAC	UNF.-TOT.	MG/L	MG/L
SAMPLE	HOUR	SAMPLE	STREAM	WATER	UNF.-REAC	UNF.-REAC	UNF.-REAC	UNF.-REAC	LEAD									
DATE	LMT	NUMBER	COND.	TEMP	MG/L	MG/L	MG/L	MG/L	AS PB		MG/L	MG/L						
YYYYYY	DD			DEG.C	AS N	AS N	AS N	AS N	AS PB		AS P	AS P						
900123	1155	37904	4	1.0	0.042	0.120	12.200	1.000	0.005<W	7.82	0.061	0.111						
900327	1030	37914	6			0.080	6.800	0.800	0.005<W	7.90	0.047	0.089						
900430	1030	37924	6	18.0	0.119	0.120	5.200	1.000	0.005<W	8.21	0.035	0.080						
900530	1020	37934	6	17.0	0.610	0.090	5.700	0.720	0.005<W	7.93	0.039	0.077						
900626	1035	37944	6	19.0				1.340	0.005<W	8.42								
900724	1000	37954	6	24.0	0.022	0.020	2.600	0.920	0.005<W	8.00	0.047	0.118						
901030	1040	37964	6	12.0	0.001<	0.100	6.900	0.750	0.005<W	7.97	0.020	0.068						
901128	1000	37974	6	12.0	0.147	0.110	7.000	1.540	0.005<W	7.83	0.106	0.246						
		MAXIMUM		24.0	0.810	0.120	12.200	1.540	0.005	8.42	0.106	0.246						
		ARITH MEAN		14.7	0.228	0.091	6.629	1.009	0.005<A	8.01	0.051	0.103						
		GEOM MEAN		11.0		0.081	6.085	0.976	0.005<A	8.01	0.045	0.103						
		MINIMUM		1.0	0.022		2.600	0.720	0.005	7.82	0.020	0.068						
		STD DEV (GEOM *)		7.3		0.035	2.899	0.291	0.000<A	0.21	0.027	0.062						
		# SAMP IN STATISTICS		7	5	7	7	8	8	8	7	7						
		% SAMP (EXCLUDED)			16													

(C O N T D)

B.O.W./ SITE: CATFISH CREEK
 SAMPLE POINT: AT ELGIN COUNTY ROAD NO 40 GLENGOLIN
 STATION TYPE: RIVER

STATION ID: 16-0097-006-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: CATFISH CREEK

STORET CODE: 02
 003
 1570

DISTANCE: 34.761

REGION: 01

U T M: 17 0505600.0 4737600.0 4

LONG: 080 55 53.50

LAT: 42 47 34.29

*-INTERIM TEST-NAME:

PSAMF
PSEUDOH
AERUG

RSP

TURB

ZNUZ

SAMPLE

DATE HOUR

YMDH LHT

SAMPLE

NUMBER

HF

CMT

/100ML

RESIDUE

PARTIC.

MG/L

TURB IDITY

FTU

ZINC

UNF. TOT.

MG/L

AS ZN

ZNUZ

UNF. TOT.

MG/L

AS ZN

ZNUZ

UNF. TOT.

MG/L

AS ZN

ZNUZ

UNF. TOT.

MG/L

AS ZN

ZNUZ

900123 1155

37904

4<

21.5

16.00

0.0053

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

900327 1030

37914

4<

15.5

13.90

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

900430 1030

37924

4<

31.9

14.50

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

900530 1020

37934

4<

17.6

13.40

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

900626 1035

37944

4<

32.0

22.00

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

900724 1000

37954

8

27.4

15.00

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

901030 1040

37964

4<

37.5

65.00

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

901128 1000

37974

4<

57.2

65.00

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

MAXIMUM

8

8

30.1

22.83

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

ARITH MEAN

8

8

27.8

19.10

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

8

8

8

8

8

8

8

8

8

8

GEOM MEAN

8

8

15.5

13.40

0.0047

0.0005<W

0.0020<T

0.0030

0.0010<T

0.0030

0.0020<T

0.0053

0.0027<A

0.0021<A

0.0005

0.0017<A

8

7

STORET CODE: 02 003 139

DISTANCE: 44.095

*=INTERIM	TEST-NAME:	FMSADP	F6PROJ	ALKT	BOD5 5 DAY TOT./DEN.	CLIDUR	COND25	CUUT	FCMH FECAL COLIFORMS CHIT /100HL	FSMF FECAL STREPTOCOCCI HF CNT /100HL	FNMSTR
SAMPLE DATE HOUR YYYMMDD LLTT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CaCO3	TOT./DEN. MG/L AS O	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UHMO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	COLIFORMS CHIT /100HL	Hf CNT /100HL	STREAM COND.
900205 1130	36501	0.30	0101	200.-	1.58	33.-900	631.-0	0.0033	20AID	210	6
900417 1205	36504	0.30	0101	205.-	0.29	32.-900	603.-0	0.0005<W	>	1500>	3
900517 1020	36507	0.30	0103	196.-0	3.52	27.-700	587.-0	0.0060	1500>	1500>	6
900920 1120	36510	0.30	0100	211.-0	2.56	37.-100	606.-0	0.0030	40AID	290	6
901016 1110	36513	0.30	0101	262.-0	1.23	37.-500	721.-0	0.0040	330	300	6
901115 1105	36516	0.30	0101	264.-0	0.94	33.-900	721.-0	0.0050	60AID	100	
MAXIMUM		0.30		264.-0	3.52	37.-500	721.-0	0.0060	330	300	
ARITH MEAN		0.30		223.-0	1.69	33.-833	644.-8	0.0036<A	113	225	
GEOM MEAN		0.30		221.-2	1.30	33.-670	642.-5	0.0029<A	20	100	
MINIMUM		0.30		196.-0	0.29	27.-700	587.-0	0.0005	4	4	
STD DEV (GEOM *)		6		31.-4	1.17	3.-539	60.-7	0.0019<A	20	20	
# SAMP IN STATISTICS % SAMP (EXCLUDED)				6	6	6	6	6	4	4	
*=INTERIM	TEST-NAME:	FWTEMP	NNHTUR N H3-N-TOTAL UNF. REAC MG/L AS N	NNO2UR N NO2-N UNF. REAC MG/L AS N	NNNO3UR N NO3-N UNF. REAC MG/L AS N	NNTKUR K'DAHL N UNF. REAC MG/L AS N	PBUT LEAD UNF.TOT. HG/PB	PH	PP04UR PO4 UNF.REAC HG/L AS P	PPUT PHOSPHOR UNF.TOT. HG/L AS P	PSAHF PSEUDONN AERUG. HF CNT /100HL
SAMPLE DATE HOUR YYYMMDD LLTT	SAMPLE NUMBER	WATER TEMP DEG.C	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF. REAC MG/L AS N	UNF.TOT. HG/PB		UNF.REAC HG/L AS P	MG/L AS P	
900205 1130	36501	1.0	0.114	0.080	8.-200	0.840	0.005<W	8.03	0.052	0.079	4<
900417 1205	36504		0.001<	0.240	7.-900	1.340	0.005<W	8.33	0.001<	0.260	56
900517 1020	36507	11.-0	0.007	0.020	2.-800	0.760	0.005<W	8.11	0.059	0.088	4
900920 1120	36510	12.-0	0.007	0.090	8.-700	0.890	0.005<W	8.25	0.026	0.107	4<
901016 1110	36513	10.-0	0.001<	0.090	8.-700	0.890	0.005<W	8.24	0.042	0.042	
901115 1105	36516		0.017	0.040	6.-200	0.730	0.005<W	8.22	0.018	0.042	
MAXIMUM		12.-0	0.114	0.240	8.-700	1.340	0.039	8.33	0.059	0.260	56
ARITH MEAN		8.-5	0.046	0.094	6.-760	0.912	0.011<A	8.20	0.039	0.115	30
GEOM MEAN		6.-0	0.007	0.020	2.-800	0.889	0.007<A	8.20	0.039	0.096	
MINIMUM		1.-0	0.007	0.020	2.-800	0.730	0.005	8.03	0.018	0.042	4
STD DEV (GEOM *)		5.-1	3	0.086	2.-405	0.248	0.014<A	0.11	0.042	0.084	
# SAMP IN STATISTICS % SAMP (EXCLUDED)		4	40	5	5	5	6	6	5	5	20

(C O N T D)

1990 WATER QUALITY DATA REGION 1

308

B.O.W./ SITE: BIG OTTER CREEK
 SAMPLE POINT: 9TH LINE BAYHAM TOWN LINE
 STATION TYPE: RIVER FLOW GAUGE FED 02G0010

STATION ID: 16-0109-004-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: BIG OTTER CREEK

STORET CODE: 02
 003
 1390

LAT: 42 47 49.82 LONG: 080 46 55.32

U T M: 17 0517825.0 4738100.0 4

REGION: 01

DISTANCE: 44.095

* = INTERITH TEST-NAME:

SAMPLE DATE YYMMDD LHT	HOUR	SAMPLE NUMBER	RSF RESIDUE FILTERED MG/L	RSP RESIDUE PARTIC. MG/L	RST RESIDUE TOTAL MG/L	TURB TURBIDITY FTU	ZNUT ZINC UNF.TOT. MG/L
900205	1130	36501		16.2		14.10	0.0150
900417	1205	36504	398.5	11.5	410.0		0.0030
900517	1020	36507		148.0		24.00	0.0280
900920	1120	36510		23.8			0.0070
901016	1110	36513		105.0			0.0190
901115	1105	36516		63.2			0.0170
MAXIMUM							
ARITH MEAN							
GEOM MEAN							
MINIMUM							
STD DEV (GEOM *)							
# SAMP IN STATISTICS							
% SAMP (EXCLUDED)							

B.O.W./ SITE: BIG OTTER CREEK
 SAMPLE POINT: AT HIGHWAY 19 SOUTHERN BRIDGE VIENNA
 STATION TYPE: RIVER FLOW GAUGE FED 02GCO04

STATION ID: 16-0109-005-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: BIG OTTER CREEK

STORET CODE: 02

003

1390

DISTANCE: 7.081

U T M: 17 0516940.0 4724700.0 4

LAT: 42 40 35.47 LONG: 080 47 35.72

*INTERIM TEST-NAME:										LAT: 42 40 35.47			LONG: 080 47 35.72			U T M: 17 0516940.0 4724700.0 4			REGION: 01		DISTANCE: 7.08								
FWSADP		FGPROJ		ALKT		ASUT		BOD5		CYARHIDE		CDUT		CLIDUR		COND25		CRUT											
SAMPLE DEPTH		PROJECT SUB-PROJ		ALK TOTAL		ARSENIC UNF.TOT.		5 DAY TOT.DEM.		CYANIDE UNF.REAC		CADMIUM UNF.TOT.		CHLORIDE UNF.REAC		CONDUCT. 25C UNH0/CH		CHROMIUM UNF.TOT.											
M		CODE		AS CAC03		MG/L AS AS		MG/L AS O		MG/L AS HCN		AS CD		AS CL		AT 25 C		MG/L AS CR											
900205	1110	36500	0.30	0101	190.0	0.001<W	0.001<W	3.16	0.001<W	0.0002<W	30.500	587.0	0.0004																
900417	1140	36503	0.30	0101	208.0	0.001<W	0.001<W	0.25	0.001<W	0.0002<W	27.500	583.0	0.0005<W																
900517	0950	36506	0.30	0103	170.0	0.001<W	0.001<W	4.12	0.001<W	0.0003<W	27.100	530.0	0.0060																
900920	1055	36509	0.30	0101	224.0	0.001<W	0.001<W	1.40	0.001<W	0.0002<W	28.900	589.0	0.0010<T																
901016	1050	36512	0.30	0101	254.0	0.001<W	0.001<W	2.54	0.001<W	0.0002<W	32.200	677.0	0.0010<T																
901115	1040	36515	0.30	0101	254.0	0.001<W	0.001<W	1.03	0.001<W	0.0004<T	29.500	679.0	0.0010<T																
MAXIMUM																													
ARITH MEAN		0.30		254.0		0.001		4.12		0.001		32.200		679.0		0.0060													
GEOM MEAN		0.30		216.7		0.001<A		2.08		0.001<A		29.283		607.5		0.0023<A													
MINIMUM		0.30		214.4		0.001<A		1.51		0.001<A		29.232		605.1		0.0015<A													
STD DEV (GEOM #)		6		170.0		0.001		0.25		0.001		27.100		530.0		0.0005													
# SAMP IN STATISTICS		6		34.1		0.000<A		1.45		0.000<A		1.904		58.8		0.0023<A		6											
% SAMP (EXCLUDED)		6		6		6		6		6		6		6		6		6											
*INTERIM TEST-NAME:										CUUT		FCMF COLIFORM		FEUT		FSMF FECAL STREPCUS		FWSTRC		FWTEMP		HGUT		NIUT		NNHUT		NH02UR	
SAMPLE DATE		HOUR		COPPER UNF.TOT.		FECAL COLIFORM		IRON UNF.TOT.		FECAL STREPCUS		IRON UNF.TOT.		HGF CNT		HGF CNT		HGF CNT		HGF CNT		HGF CNT		HGF CNT		HGF CNT		HGF CNT	
YYHHDD LHT		LHT		AS CU		/100ML		MG/L AS FE		/100ML		MG/L AS FE		/100ML		/100ML		/100ML		/100ML		/100ML		/100ML		/100ML		/100ML	
900205	1110	36500	0.0670	70AID	1.100	0.052<T	30AID	620	1.0	0.08<T	0.008<T	0.137	0.050																
900417	1140	36503	0.0009<T	10<	0.052<T	30AID	620	1.0	0.08<T	0.008<T	0.137	0.050																	
900517	0950	36506	0.0110	10100	7.800	9800	3	10.0	0.02<W	0.002<W	0.003	0.020																	
900920	1055	36509	0.0050		1.080	4<	6	12.0	0.02<W	0.009<T	0.004	0.010																	
901016	1050	36512	0.0040	360	0.890	360	6	10.5	0.02<W	0.007<T	0.003	0.020																	
901115	1040	36515	0.0060	120	0.670	150			0.02<W	0.005<T	0.011	0.040																	
MAXIMUM														0.0670		10100		7.800		9800		12.0		0.08		0.137		0.050	
ARITH MEAN		0.0156<A		2663		1.932<A		2192		7.3		0.03<A		0.008<A		0.027		0.030											
GEOM MEAN		0.0066<A				0.812<A				5.2		0.03<A		0.007<A		0.007		0.026											
MINIMUM		0.0009		70		0.052		30		1.0		0.02		0.002		0.002		0.010											
STD DEV (GEOM #)		0.0254<A		4		2.900<A		5		4.9		0.02<A		0.005<A		0.054		0.015											
# SAMP IN STATISTICS		6		4		6		15		5		6		5		6		6											
% SAMP (EXCLUDED)		6		20		16		5		5		6		5		6		6											

(CONT'D)

B.O.W./ SITE: BIG OTTER CREEK

SAMPLE POINT: AT HIGHWAY 19 SOUTHERN BRIDGE VIENNA

STATION TYPE: RIVER FLOW GAUGE FED 02GC004

STATION ID: 16-0109-005-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE ERIE

TERM STREAM: BIG OTTER CREEK

STORET CODE: 02

003

1390

LAT: 42 40 35.47 LONG: 080 47 35.72 U T M: 17 0516940.0 4724700.0 4 REGION: 01 DISTANCE: 7.081

*=INTERIM	TEST-NAME:	WNO3UR	NNTKUR	PBUT	PH	PP04UR	PPUT	PSMF	PIALDR	PIBHCA	PIBHCB
		N03-N	K'DAHL N	LEAD		P04	PHOSPHOR	PSEUDOMN			
		UNF .REAC	UNF .REAC	UNF .TOT .	UNF .REAC	UNF .TOT .	MG/L	AERUG.			
SAMPLE	DATE	UNF .REAC	AS N	AS PB	AS P	AS P	AS P	MG/L	ALDRIN	BHC	BHC
YHMD LHT	YHMD LHT	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100HL	MG/L	MG/L	MG/L
900205 1110	36500	6.200	0.910	0.005<W	8.01	0.049	0.125	4<	1<W	1<W	1<W
900417 1140	36503	4.000	0.700	0.005<W	8.24	0.004	0.086	4<	1<W	1<W	1<W
900517 0950	36506	6.900	2.100	0.013<T	8.01	0.075	0.590	20AID	1<W	1<W	1<W
900920 1055	36509	2.800	0.640	0.005<W	8.27	0.033	0.102		1<W	1<T	1<W
901016 1050	36512	7.300	1.040	0.005<W	8.23	0.042	0.156	4<	1<W	1<W	1<W
901115 1040	36515	5.400	0.760	0.005<W	8.21	0.008	0.070	4	1<W	1<W	1<W
	MAXIMUM	7.300	2.100	0.013	8.27	0.075	0.590	20	1	1	1
	ARITH MEAN	5.433	1.025	0.006<A	8.16	0.035	0.188	12	1<A	1<A	1<A
	GEOM MEAN	5.161	0.937	0.006<A	8.16	0.023	0.139		1<A	1<A	1<A
	MINIMUM	2.800	0.640	0.005	8.01	0.004	0.070	4	1	1	1
	STD DEV (GEOM #)	1.744	0.546	0.003<A	0.12	0.027	0.199		0<A	0<A	0<A
	# SAMP IN STATISTICS	6	6	6	6	6	6	2	5	5	5
	% SAMP (EXCLUDED)							60			
*=INTERIM	TEST-NAME:	PIBHCG	PICHLA	PICHLG	PIDIEL	PIDMDT	PIENDR	PIENDS	PIEND1	PIEND2	PIHEPE
		BHC	CHLRDANE	CHLRDANE	DIELDRIN	MTHXYLLR	ENDRIN	ENDOSULP	ENDOSULP	ENDOSULP	HEPTA
		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	SULPHATE	MG/L	MG/L	CHLOR
SAMPLE	DATE	UNF .REAC	UNF .REAC	UNF .TOT .	UNF .REAC	UNF .TOT .	UNF .TOT .	MG/L	MG/L	MG/L	EPOXIDE
YHMD LHT	YHMD LHT	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
900205 1110	36500	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W	1<W
900417 1140	36503	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W	1<W
900517 0950	36506	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W	1<W
901016 1050	36512	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W	1<W
901115 1040	36515	1<W	2<W	2<W	2<W	5<W	5<W	5<W	2<W	5<W	1<W
	MAXIMUM	1	2	2	2	5	5	5	2	5	1
	ARITH MEAN	1<A	2<A	2<A	2<A	5<A	5<A	5<A	2<A	5<A	1<A
	GEOM MEAN	1<A	2<A	2<A	2<A	5<A	5<A	5<A	2<A	5<A	1<A
	MINIMUM	1	2	2	2	5	5	5	2	5	1
	STD DEV (GEOM #)	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A
	# SAMP IN STATISTICS	5	5	5	5	5	5	5	5	5	5
	% SAMP (EXCLUDED)										

(C O N T D)

B.O.W./ SITE: BIG OTTER CREEK
 SAMPLE POINT: AT HIGHWAY 19 SOUTHERN BRIDGE VIENNA
 STATION TYPE: RIVER FLOW GAUGE FED 02G0004

STATION ID: 16-0109-005-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: BIG OTTER CREEK

STORET CODE: 02
 003
 1390

LAT: 42 40 35.47 LONG: 080 47 35.72 U T H: 17 0516940.0 4724700.0 4

DISTANCE: 7.081

REGION: 01

*=INTERIM	TEST-NAME:	PIHEPT	PIHIXR	PILOCHL	PILOPDT	PIPCBT	PIPPDD	PIPPDE	PIPPDT	PIPTOX	RSF
SAMPLE DATE YYHHDD LHT	SAMPLE NUMBER	HEPACHOR NG/L	MTREX NG/L	OXCHLANE NG/L	OP-DDT NG/L	TOTAL NG/L	PP-DDD NG/L	PP-DDE NG/L	PP-DDT NG/L	TOXAPHEN NG/L	RESIDUE FILTERED MG/L
900205 1110	36500	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	386.4
900417 1140	36503	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	
900517 0950	36506	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	
900920 1055	36509										
901016 1050	36512	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	
901115 1040	36515	1<W	5<W	2<W	5<W	20<W	5<W	1<W	5<W	500<W	
MAXIMUM		1	5	2	5	20	5	1	5	500	386.4
ARITH MEAN		1<A	5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A	386.4
GEOM MEAN		1<A	5<A	2<A	5<A	20<A	5<A	1<A	5<A	500<A	
MINIMUM		1	5	2	5	20	5	1	5	500	386.4
STD DEV (GEOM *)		0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	0<A	
# SAMP IN STATISTICS		5	5	5	5	6	5	5	5	5	1
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:

SAMPLE DATE YYHHDD LHT	SAMPLE NUMBER	RESIDUE PARTIC. MG/L	RSP	RST	TURB	X1HCBT HYCHLORO BUTADINE NG/L	X1HCBD HEXACHLO ROCYCLOP ENTANDIEN NG/L	X2HCB HCB NG/L	X2HCE HCE NG/L	X20CST OCTCHLOR STYRENE NG/L	X2PNCB PENTA CHLORO BENZENE NG/L	X2T236 2,3,6 TRCHLORO TOLUENE NG/L
900205 1110	36500	39.9			35.00	1<W		1<W	1<W	1<W	1<W	5<W
900417 1140	36503	57.6		444.0		1<W		1<W	1<W	1<W	1<W	5<W
900517 0950	36506	390.0			38.00	1<W		1<W	1<W	1<W	1<W	5<W
900920 1055	36509	44.8										
901016 1050	36512	85.1				1<W	5<W	1<W	1<W	1<W	1<W	5<W
901115 1040	36515	49.7				1<W	5<W	1<W	1<W	1<W	1<W	5<W
MAXIMUM		390.0		444.0	38.00	1	5	1	1	1	1	5
ARITH MEAN		111.2		444.0	36.50	1<A	5<A	1<A	1<A	1<A	1<A	5<A
GEOM MEAN		74.4			36.47	1<A	5<A	1<A	1<A	1<A	1<A	5<A
MINIMUM		39.9		444.0	35.00	1	5	1	1	1	1	5
STD DEV (GEOM *)		137.5		1	2.12	0<A	0<A	0<A	0<A	0<A	0<A	0<A
# SAMP IN STATISTICS		6			2	5	2	5	5	5	5	5
% SAMP (EXCLUDED)												

(C O N T I N U E D)

1990 WATER QUALITY DATA REGION 1

313

B.O.W./ SITE: BIG OTTER CREEK
 SAMPLE POINT: AT NORMICH RD.6 E.OF BASE LINE RD.
 STATION TYPE: RIVER FLOW GAUGE FED 02GCO17

STATION ID: 16-0109-007-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: BIG OTTER CREEK

STORET CODE: 02

003
 1390

DISTANCE: 78.373

REGION: 01

U T M: 17 0537300.0 4756950.0 4

LAT: 42 57 58.39 LONG: 080 32 33.51

**INTERIM TEST-NAME:		FWSADP	FPROJ	ALKT	BOD5	CLIDUR	COND25	CUUT	FCMF	FSMF	FSTRC
SAMPLE DATE	HOUR	SAMPLE NUMBER	PROJECT SUB-PROJ	ALK TOTAL	5 DAY TOT. DEH.	CHLORIDE UNF. REAC	CONDUCT. 25C	COPPER UNF. TOT.	FECAL COLIFORM	FECAL STREPTOC	
YYMMDD	LMT	H	CODE	AS CAC03	MG/L	MG/L	UHQ/CM AT 25 C	MG/L AS CU	CNT /100HL	MG/L	CNT /100HL
900205	1240	36502	0101	208.0	1.38	36.800	660.0	0.0042	4	140	6
900517	1215	36508	0103	197.0	2.56	28.100	590.0	0.0040	600>	600>	6
900920	1215	36511	0101	224.0	2.16	25.600	587.0	0.0020<T	400	290	6
901016	1150	36514	0101	248.0	1.18	33.300	709.0	0.0040	260	310	6
901115	1210	36517	0101	268.0	0.88	30.300	709.0	0.0050	40AID	110	
MAXIMUM											
ARITH MEAN		0.30		268.0	2.56	36.800	709.0	0.0050	400	310	
GEOM MEAN		0.30		229.0	1.63	30.820	651.0	0.0038<A	176	213	
MINIMUM		0.30		227.5	1.51	30.573	648.7	0.0037<A	4	110	
STD DEV (GEOM %)				197.0	0.88	25.600	587.0	0.0020			
# SAMP IN STATISTICS		5		29.0	0.70	4.383	60.5	0.0011<A	4	4	
% SAMP (EXCLUDED)				5	5	5	5	5	20	20	
**INTERIM TEST-NAME:		FHTMP	NNHTR	NN02UR	NN03UR	NNHTR	PBUT	PH	PP04UR	PPUT	PSAUF
SAMPLE DATE	HOUR	SAMPLE NUMBER	UNF. REAC	N02-N	N03-N	K'DAHL N	LEAD UNF. TOT.	PH	UNF. REAC	PHOSPHOR UNF. TOT.	PSEUDONN AERUG. HF
YYMMDD	LMT	H	MG/L	AS N	MG/L	MG/L	MG/L		AS P	MG/L	CNT /100HL
900205	1240	36502	0.085	0.030	6.600	0.820	0.005<W	7.94	0.046	0.077	4<
900517	1215	36508	0.001<	0.370	7.900	1.400	0.005<W	7.94	0.063	0.158	12
900920	1215	36511	0.011	0.040	2.100	0.770	0.005<W	8.08	0.024	0.096	4<
901016	1150	36514	0.003	0.100	7.000	0.870	0.005<W	8.05	0.046	0.101	4<
901115	1210	36517	0.009	0.110	5.000	0.770	0.005<W	8.15	0.022	0.048	4<
MAXIMUM											
ARITH MEAN		12.0	0.085	0.370	7.900	1.400	0.005	8.15	0.063	0.158	12
GEOM MEAN		8.7	0.027	0.130	5.720	0.926	0.005<A	8.03	0.040	0.096	12
MINIMUM		6.2	0.008	0.087	5.208	0.901	0.005<A	8.03	0.037	0.089	12
STD DEV (GEOM %)		1.0	0.003	0.050	2.100	0.770	0.005	7.94	0.022	0.048	12
# SAMP IN STATISTICS		5.3	0.139	0.139	2.280	0.268	0.000<A	0.09	0.017	0.040	1
% SAMP (EXCLUDED)		4	4	5	5	5	5	5	5	5	80

(CONTD)

1990 WATER QUALITY DATA REGION 1

314

B.O.W./ SITE: BIG OTTER CREEK
 SAMPLE POINT: AT NORMICH RD.6 E.OF BASE LINE RD.
 STATION TYPE: RIVER FLOW GAUGE FED 02GCO17

STATION ID: 16-0109-007-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: BIG OTTER CREEK

STORET CODE: 02
 003
 1390

LAT: 42 57 58.39 LONG: 080 32 33.51

U T M: 17 0537300.0 4756950.0 4

REGION: 01

DISTANCE: 78.373

*INTERIM TEST-NAME:

RSP

TURB

ZNUZ

SAMPLE DATE YYMMDD LMT	HOUR	SAMPLE NUMBER	RESIDUE PARTIC. MG/L	TURBIDITY FTU	ZINC	
					UNF.TOT. MG/L	AS ZN
900205 1240		36502	8.9	9.40	0.0140	
900517 1215		36508	37.8		0.0140	
900920 1215		36511	18.5	13.20	0.0040	
901016 1150		36514	20.6		0.0190	
901115 1210		36517	83.7		0.0150	

MAXIMUM

83.7

13.20

0.0190

ARITH MEAN

33.9

11.30

0.0132

GEOM MEAN

25.5

11.14

0.0117

MINIMUM

8.9

9.40

0.0040

STD DEV (GEOM *)

29.7

2.69

0.0055

SAMP IN STATISTICS

5

2

5

% SAMP EXCLUDED)

B.O.W./ SITE: ALDER CREEK
 SAMPLE POINT: AT FIRST CONC ROAD SOUTH OF NEW DUNDEE
 STATION TYPE: RIVER FLOW GAUGE FED 02GA030

STATION ID: 16-0184-038-02

MAJOR BASIN: GREAT LAKES
 MINOR BASIN: LAKE ERIE
 TERM STREAM: GRAND RIVER

STORET CODE: 02

003
0150

LAT: 43 20 34.91 LONG: 080 31 54.49 U T M: 17 0537950.0 4798800.0 4 REGION: 01 DISTANCE: 179.920

*INTERIM TEST-NAME:		NH4-N		NH2F		NNOTFR		NNH2FR		NNTKUR		PH		PHNOL		PP04FR		PPUT		PSAUF		RSF	
		TOTAL		FIL-REAC		FIL-REAC		FIL-REAC		K'DAHL N		UNF-REAC		UNF-REAC		P04		PHOSPHOR		PSEUDOMN			
SAMPLE		DATE		FIL-REAC		FIL-REAC		FIL-REAC		UNF-REAC		UNF-REAC		UNF-REAC		FIL-REAC		UNF-TOT.		AERUGN		RESIDUE	
YMHDD LHT		HOUR		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
				AS N		AS N		AS N		AS N		AS N		AS N		AS P		AS P		AS P		AS P	
900109	1355	35514		0.192		5.480		0.0510		0.700		8.23		1.0		0.0300		0.067				552.0	
900220	1420	35555		0.090		6.150		0.0330		0.630		8.13		1.0<T		0.0235		0.069		20		508.0	
900313	1310	35577		0.960		2.850		0.0750		2.420		8.01		4.2		0.2030		0.490				237.0CRO	
900614	1005	35618		0.002<W		2.500		0.0800		0.660		8.28		0.0015<T		0.0015<T		0.055		2		448.0CRO	
900724	1010	35659		0.190		1.400		0.0530		1.160		8.18		0.2<W		0.0315		0.123				411.0CRO	
900830	1005	35719		0.030		2.030		0.0470		0.820		8.32		1.0<T		0.0025		0.078		4		458.0CRO	
901003	0950	35760		0.030		3.030		0.0480		0.600		8.26		0.6<T		0.0045		0.046				474.0CRO	
901031	0920	35801		0.024		4.780		0.0400		0.560		8.24		0.4<T		0.0015<T		0.026		2		515.0	
901120	1150	35842		0.002<W		4.460		0.0350		0.300		8.30		0.8<T		0.0030		0.025				645.0	
MAXIMUM				0.960		6.150		0.0800		2.420		8.32		4.2		0.2030		0.490		20		645.0	
ARITH MEAN				0.167<A		3.631		0.0513		0.872		8.22		1.0<A		0.0334<A		0.109		7		472.0	
GEOM MEAN				0.037<A		3.281		0.0492		0.741		8.22		0.7<A		0.0089<A		0.069		4		457.8	
MINIMUM				0.002		1.400		0.0330		0.300		8.01		0.2		0.0015		0.025		2		237.0	
STD DEV (GEOM *)				0.307<A		1.642		0.0164		0.624		0.10		1.2<A		0.0648<A		0.146		3*		111.4	
# SAMP IN STATISTICS				9		9		9		9		9		9		9		9		4		9	
% SAMP (EXCLUDED)																							

*INTERIM TEST-NAME: SS04UR

SAMPLE DATE HOUR YMHDD LHT

RESIDUE PARTIC. MG/L

AS S04

900109 1355 35514 6.1

900220 1420 35555 5.4

900313 1310 35577 111.0

900614 1005 35618 8.7

900724 1010 35659 12.1

900830 1005 35719 11.9

901003 0950 35760 5.5

901031 0920 35801 8.0

901120 1150 35842 3.5

NO DATAIR

MAXIMUM 111.0

ARITH MEAN 19.1

GEOM MEAN 9.6

MINIMUM 3.5

STD DEV (GEOM *) 34.6

% SAMP (EXCLUDED) 9

01002

RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. PAGE INDEX NO.
AUSABLE RIVER	AUSABLE RIVER	AT TOWNLINE DNSTR.FROM CENTRALIA BASE	120.698	08-0022-011-02	4 F-01 145
	AUSABLE RIVER	AT HIGHWAY 21 GRAND BEND	0.805	08-0022-013-02	4 H-01 149
	AUSABLE RIVER	AT FIRST CONC.WEST OF HIGHWAY 4 EXETER	134.377	08-0022-016-02	4 I-01 151
	AUSABLE RIVER	AT MORRISON DAM EAST OF EXETER	136.630	08-0022-017-02	4 J-01 153
HENSALL CREEK	DECKER CREEK	NEAR BRICK YARD, THEDFORD	10.300	08-0022-002-02	4 C-01 139
	HENSALL CREEK	AT CONCESSION ROAD 2, WEST OF HENSALL	139.204	08-0022-007-02	4 D-01 141
	LITTLE AUSABLE RIVER	AT BRIDGE, TWP LINE WEST OF LUCAN	109.915	08-0022-010-02	4 E-01 143
	PARKHILL CREEK	RD.BETWEEN LOTS 15&16 WEST OF PARKHILL	19.955	08-0022-012-02	4 G-01 147
AUSABLE RIVER CUT	THE CUT AUSABLE RIVER	AT LANPTON CO.ROAD NO.18	12.069	08-0021-002-02	4 B-01 134
DAYFIELD RIVER	DAYFIELD RIVER	FIRST CONCESSION DOWNSTREAM FROM CLINTON	21.243	08-0040-006-02	4 K-01 155
	DAYFIELD RIVER	AT HURON COUNTY ROAD 31 NORTH OF VARNA	14.162	08-0040-008-02	4 L-01 157
	DAYFIELD RIVER	AT FIRST CONCESSION WEST OF SEAFORTH	45.382	08-0040-009-02	4 H-01 159
	SILVER CREEK	HWY 8,SEAFORTH	48.430	08-0040-011-02	4 A-02 161
BEAVER RIVER	BEAVER RIVER	UPSTREAM FROM GEORGIAN BAY	0.161	03-0036-001-02	2 E-01 12
	BEAVER RIVER	AT GREY COUNTY ROAD NO 2 FEVERSHAM	56.969	03-0036-006-02	2 G-01 15
	BEAVER RIVER	AT COUNTY ROAD NO.10 OSPREY TOWNSHIP	59.061	03-0036-007-02	2 H-01 16
	BEAVER RIVER	AT COUNTY ROAD NO.8 OSPREY TOWNSHIP	58.257	03-0036-008-02	2 I-01 17
BELLE RIVER	BEAVER RIVER	AT COUNTY ROAD NO.30 SOUTH OF KIMBERLEY	37.175	03-0036-009-02	2 J-01 18
	BOYNE RIVER	1ST.BRIDGE DNSTR.FROM HWY.10 FLESHERTON	44.417	03-0036-005-02	2 F-01 14
	BELLE RIVER	AT FIRST ROAD SOUTH OF HIGHWAY 401	9.978	04-0007-002-02	3 C-01 24
	BIG CREEK	AT HALDEN TWP.CONC.2-3	7.911	16-0001-002-02	6 A-01 267
BIG OTTER CREEK	BIG OTTER CREEK	9TH LINE DAYHAM TOWN LINE	44.095	16-0109-004-02	6 H-02 307
	BIG OTTER CREEK	AT HIGHWAY 19 SOUTHERN BRIDGE VIENNA	7.001	16-0109-005-02	6 I-02 309
	BIG OTTER CREEK	AT NORWICH RD.6 E.OF BASE LINE RD.	78.373	16-0109-007-02	6 J-02 313

01002

RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. PAGE INDEX NO.
BIGHEAD RIVER	BIGHEAD RIVER	AT CONC ROAD 8 AND 9 SOUTH OF OXHEAD	12.713	03-0030-002-02	2 D-01 9
BROCK CREEK	BROCK CREEK	AT MIDDLE ST. 3 MILES S. OF WEST LORNE	5.793	16-0066-001-02	6 I-01 283
CANARD RIVER	CANARD RIVER	HWY. 18 2 MILES SOUTH OF RIVER CANARD	0.805	10-0002-001-02	5 B-01 263
CATFISH CREEK	CANARD RIVER	2 MILES SOUTH OF LUKERVILLE	12.070	10-0002-002-02	5 C-01 265
	CATFISH CREEK	AT CONC ROAD 2 MILES EAST OF SPARTA	5.150	16-0097-003-02	6 E-02 301
	CATFISH CREEK	AT HIGHWAY NO 3 WEST OF ORWELL	24.944	16-0097-005-02	6 F-02 303
	CATFISH CREEK	AT ELGIN COUNTY ROAD NO 40 GLENCOLIN	34.761	16-0097-006-02	6 G-02 305
CEDAR CREEK	CEDAR CREEK	AT HIGHWAY NO. 18	4.828	16-0018-002-02	6 B-01 269
GRAND RIVER	ALDER CREEK	AT FIRST CONC ROAD SOUTH OF NEW DUNDEE	179.920	16-0184-038-02	6 K-02 315
HICKORY CREEK	HICKORY CREEK	AT PLYMPTON TWP. RD. NO. 14 DNSTR. OF FOREST	8.529	08-0010-001-02	4 A-01 132
KETTLE CREEK	BEAVER CREEK	AT POND OUTLET COMMUNITY OF UNION	7.403	16-0087-006-02	6 L-01 289
	DODD CREEK	FIRST CONCESSION NORTH OF HIGHWAY 3	36.370	16-0087-004-02	6 K-01 287
	KETTLE CREEK	FIRST CONCESSION SOUTH WEST OF BELMONT	44.417	16-0087-007-02	6 M-01 291
	KETTLE CREEK	FIRST BRIDGE ABOVE PORT STANLEY	4.828	16-0087-010-02	6 A-02 293
	KETTLE CREEK	AT ELGIN COUNTY ROAD 45	17.059	16-0087-012-02	6 B-02 295
	KETTLE CREEK	AT COUNTY ROAD NO 31 NORTH OF ST THOMAS	29.933	16-0087-015-02	6 C-02 297
	KETTLE CREEK	AT ELGIN CO. ROAD NO. 16 ST. THOMAS	21.564	16-0087-016-02	6 D-02 299
LITTLE RIVER	LITTLE RIVER	AT RIVERSIDE DRIVE WINDSOR	0.161	04-0001-001-02	3 A-01 20
LITTLE SAUBLE RIVER	LITTLE SAUBLE RIVER	AT INVERHURON PROVINCIAL PARK ROE SHA1	1.931	08-0113-001-02	4 D-03 194
LUCKNOW RIVER	LUCKNOW RIVER	HIGHWAY 21, PORT ALBERT	1.287	08-0076-001-02	4 B-03 190
	LUCKNOW RIVER	CANNING STREET, VILLAGE OF LUCKNOW	25.749	08-0076-002-02	4 C-03 192
MAITLAND RIVER	BLYTH BROOK	AT SIDE ROAD, WEST OF BLYTH	51.015	08-0056-002-02	4 B-02 163
	BOYLE DRAIN	DOWNSTREAM FROM HENFRYN	131.802	08-0056-020-02	4 J-02 179
	DRAINAGE DITCH	AT SIDE RD. 3-4 1MI. WEST OF MILVERTON	153.688	08-0056-010-02	4 G-02 173

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.H. PAGE INDEX NO.
MAITLAND RIVER	LITTLE MAITLAND RIVER	HWY.23 3 MILES S-W OF PALMERSTON	131.963	08-0056-006-02	4 E-02 169
	LITTLE MAITLAND RIVER	GREY TWP. CONC II, 2.5 KM. EAST OF JAMES- TOWN	0.000	08-0056-035-02	4 A-03 188
	MAITLAND RIVER	HWY 86 2 MILES N-W OF WINGHAM	77.246	08-0056-003-02	4 C-02 165
	MAITLAND RIVER	ONE MILE NORTH EAST OF WROXETER	100.420	08-0056-004-02	4 D-02 167
	MAITLAND RIVER	AT HIGHWAY 21 GODERICH	2.736	08-0056-023-83	4 K-02 181
	MIDDLE MAITLAND RIVER	HAMLET OF THORNBRIDGE	140.975	08-0056-009-02	4 F-02 171
	MIDDLE MAITLAND RIVER	HIGHWAY 23, DOWNSTREAM FROM LISTOWEL	147.090	08-0056-013-02	4 H-02 175
	MIDDLE MAITLAND RIVER	0.7 MILES OF ETHEL	127.135	08-0056-026-02	4 L-02 184
	MIDDLE MAITLAND RIVER	AT COUNTY ROAD NO.16 WEST OF BRUSSELS	104.283	08-0056-031-02	4 M-02 186
	SOUTH MAITLAND RIVER	HIGHWAY 4, LONDESBOROUGH	43.451	08-0056-015-02	4 I-02 177
HUDDY CREEK	PUCE RIVER	AT FIRST BRIDGE ABOVE LAKE ERIE	0.322	16-0032-001-02	6 D-01 273
	POTTAWATOMI RIVER	AT 14TH STREET BRIDGE OHEN SOUND	1.609	03-0015-002-02	2 A-01 1
	PUCE RIVER	AT ESSEX COUNTY ROAD 42 SOUTH OF PUCE	3.380	04-0005-003-02	3 B-01 22
	RONDEAU BAY	KENT CO. RD.11, 1.8 KILO WEST OF HWY51,	1.600	16-0051-001-02	6 G-01 279
	INDIAN CREEK	1 KM SOUTH OF GUILDS	3.680	16-0050-002-02	6 F-01 277
	JOHN CLARK DRAIN	BISNETT RD, 1.1 KILO W. OF KENT CO. RD.11	3.360	16-0044-001-02	6 E-01 275
	RUSCOM RIVER	1 MILE EAST OF EXIT 6 ON HIGHWAY 401	9.978	04-0010-002-02	3 D-01 26
	SAUBLE RIVER	AT HIGHWAY NO 6 NEAR MAR HOE SW A3	25.105	08-0135-004-02	4 A-05 254
	SAUBLE RIVER	AT BRIDGE FIRST CONCESSION NORTH OF TARA	44.899	08-0135-002-02	4 L-04 250
	SAUBLE RIVER	AT SAUBLE FALLS	3.219	08-0135-003-02	4 M-04 252
SAUGEEEN	SAUGEEEN RIVER	HINTO TWP. RD. 5-6, S.W. OF MOUNT FOREST	132.364	08-0123-049-02	4 K-04 248
	SAUGEEEN RIVER	AT ELDERSLIE TOWNSHIP ROAD 25 AND 26	55.360	08-0123-009-02	4 K-03 210
	SAUGEEEN RIVER	AT BRUCE COUNTY ROAD 16 NORTH OF MILDHAY	87.868	08-0123-010-02	4 L-03 212
	SAUGEEEN RIVER	AT BRUCE COUNTY ROAD 16 NORTH OF MILDHAY	87.868	08-0123-010-02	4 L-03 212

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. PAGE INDEX NO.
SAUGEEN RIVER	PEARL CREEK	AT CONCESSION ROAD 12 AND 13 BRANT TWP.	56.165	08-0123-042-02	4 D-04 234
	PEARL CREEK	AT 10TH CONC BRANT TOWNSHIP	60.671	08-0123-045-02	4 G-04 240
	ROCKY SAUGEEN RIVER	AT CONCESSION ROAD SOUTHWEST OF MARKDALE	143.389	08-0123-006-02	4 I-03 204
	SAUGEEN RIVER	YONGE STREET, TOWN OF WALKERTON	76.603	08-0123-002-02	4 E-03 196
	SAUGEEN RIVER	HIGHWAY 4, HANOVER	94.627	08-0123-003-02	4 F-03 198
	SAUGEEN RIVER	HIGHWAY 4, TOWN OF DURHAM	125.847	08-0123-005-02	4 H-03 202
	SAUGEEN RIVER	AT TOWNSHIP ROAD, DOWNSTREAM OF PATSLEY	35.083	08-0123-007-02	4 J-03 208
	SAUGEEN RIVER	DURHAM CONSERVATION AREA	131.158	08-0123-015-02	4 H-03 214
	SAUGEEN RIVER	BRUCE CO ROAD 3, NORTH OF BURGOYNE SR-6	11.909	08-0123-030-82	4 A-04 218
	SAUGEEN RIVER	AT CONC.ROAD 2.5 MILES EAST OF CARGILL	63.889	08-0123-038-02	4 B-04 230
SIXTEEN MILE CREEK	SAUGEEN RIVER	AT CONC.ROAD 4 AND 5 SAUGEEN TOWNSHIP	27.358	08-0123-043-02	4 E-04 236
	SOUTH SAUGEEN RIVER	AT 7TH.AVE SOUTH OF HANOVER	96.880	08-0123-046-02	4 H-04 242
	SOUTH SAUGEEN RIVER	PROTON TWP, CONC 8 2.3 KM E OF GREY CO RD 14	0.000	08-0123-047-02	4 I-04 244
	SOUTH SAUGEEN RIVER	AT EGREHONT-PROTON TOWN, GREY CO	0.000	08-0123-048-02	4 J-04 246
	TEESWATER RIVER	DOWNSTREAM FROM DAM, WEST OF TEESWATER	99.938	08-0123-004-02	4 G-03 200
	TEESWATER RIVER	AT COUNTY ROAD 1	39.589	08-0123-039-02	4 C-04 232
	TEESWATER RIVER	AT CHEPSTON	67.591	08-0123-044-02	4 F-04 238
	SIXTEEN MILE CREEK	AT BACK STREET, RODNEY	8.047	16-0063-001-02	6 H-01 281
	STOKES RIVER	2ND. BRIDGE UPSTR. FROM MOUTH STOKES BAY	1.127	08-0143-001-02	4 B-05 257
	STOKES RIVER	AT HIGHWAY NO. 6	6.276	08-0143-002-02	4 C-05 259
STURGEON RIVER	STURGEON RIVER	AT CO. RD. 20 4 MILES S-E OF LEAMINGTON	3.058	16-0027-001-02	6 C-01 271
	BEAR CREEK	AT FIRST CONCESSION WEST OF PETROLIA	62.441	04-0027-004-02	3 C-04 116
	BEAR CREEK	AT TOWNSHIP LINE N-E OF AVONRY STP	34.278	04-0027-008-02	3 F-04 122

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. PAGE INDEX NO.
SYDENHAM RIVER	BEAR CREEK	NEXT BRIDGE UPSTR AT FED GAUGE	0.000	04-0027-014-02	3 J-04 130
	BLACK CREEK	AT COUNTY ROAD 9 WEST OF OIL SPRINGS	49.406	04-0027-009-02	3 G-04 124
	BROWN CREEK	FIRST CONCESSION SOUTH OF WATFORD	117.157	04-0027-011-02	3 H-04 126
	SYDENHAM RIVER	AT CONCESSION 18 ABOVE INGLIS FALLS	7.403	03-0016-003-02	2 B-01 3
	SYDENHAM RIVER	AT HIGHWAY 40 WALLACEBURG	4.506	04-0027-001-83	3 B-04 112
	SYDENHAM RIVER	AT DOWN HILLS ROAD UPSTREAM OF DRESDEN	22.530	04-0027-006-02	3 D-04 118
	SYDENHAM RIVER	1ST CONC SOUTH OF HWY. 22 STRATHROY	130.675	04-0027-007-02	3 E-04 120
	SYDENHAM RIVER	1ST CONC. NORTH OF ALVINGSTON	97.041	04-0027-012-02	3 I-04 128
	TELFER CREEK	AT THOMPSON MEMORIAL FOOTBRIDGE LEITH	0.483	03-0017-002-02	2 C-01 5
	AVON RIVER	AT LORNE AVE STRATFORD	278.570	04-0013-025-02	3 H-01 41
THAMES RIVER	BIG CREEK	CONC. 10 M. TILBURY TWP. W. OF STRANGFIELD	16.737	04-0013-033-02	3 H-01 51
	BIG SWAMP DRAIN	AT COUNTY ROAD NO. 32 SOUTH OF DORCHESTER	224.819	04-0013-052-02	3 A-03 84
	CEDER CREEK	AT EAST OXFORD TWP. RD. NO. 5	257.256	04-0013-072-02	3 K-03 104
	DINGMAN CREEK	1ST CONC. DOWNSTREAM OF LAMBERT	196.013	04-0013-029-02	3 K-01 47
	DINGMAN CREEK	AT WELLINGTON ROAD	208.726	04-0013-037-02	3 A-02 53
	FOLDENS CREEK	AT CONC. RD. NO. 3 WEST OXFORD TWP.	250.085	04-0013-069-02	3 J-03 102
	LOCK DRAIN	AT CONCESSION ROAD 22 HARWICH TWP	45.382	04-0013-031-02	3 L-01 49
	MC GREGOR CREEK	AT HARWICH-HOWARD TOWNLINE	50.693	04-0013-049-02	3 K-02 78
	MIDDLE THAMES RIVER	AT 2ND CONC. RD. SOUTH OF THAMESFORD	239.786	04-0013-041-02	3 D-02 61
	NEWBIGGIN CREEK	AT MOSA-EKFRID TWP. LINE SOUTH OF HWY. 2	116.192	04-0013-073-02	3 L-03 106
	NORTH THAMES RIVER	AT PARK STREET BRIDGE, ST MARYS	254.752	04-0013-015-02	3 F-01 37
	NORTH THAMES RIVER	AT MIDDLESEX COUNTY ROAD 42 LONDON	217.416	04-0013-027-02	3 J-01 45
	NORTH THAMES RIVER	AT HIGHWAY 7	243.326	04-0013-043-02	3 F-02 65
	NORTH THAMES RIVER	AT CONCESSION ROAD 2 SOUTH OF MITCHELL	279.374	04-0013-044-02	3 G-02 67

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. PAGE INDEX NO.
THAMES RIVER	NORTH THAMES RIVER	1.4 MILES DOWNSTREAM OF ST MARYS	251.051	04-0013-045-02	3 H-02 69
	NORTH THAMES RIVER	AT MIDDLESEX COUNTY ROAD 28	229.003	04-0013-050-02	3 L-02 80
	NORTH THAMES RIVER	2 MILES UPSTREAM FROM ST.MARY'S	258.775	04-0013-067-02	3 H-03 98
	REYNOLD'S CREEK	AT C/A AREA SOUTH OF HIGHWAY 401	237.533	04-0013-068-02	3 I-03 100
	SHARON CREEK	AT SHARON RESERVOIR OUTLET	172.517	04-0013-065-02	3 F-03 94
	THAMES RIVER	AT BRIDGE COUNTY RD 34 PRAIRIE SIDING	14.484	04-0013-007-82	3 E-01 28
	THAMES RIVER	AT DUNDAS STREET WOODSTOCK	258.132	04-0013-016-02	3 G-01 39
	THAMES RIVER	AT COUNTY ROAD 48 WOODSTOCK	261.028	04-0013-038-02	3 B-02 57
	THAMES RIVER	AT PEMBERTON STREET INGERSOLL	245.257	04-0013-039-02	3 C-02 59
	THAMES RIVER	AT FIRST BRIDGE DOWNSTREAM OF INGERSOLL	239.786	04-0013-042-02	3 E-02 63
TURKEY CREEK	THAMES RIVER	AT COUNTY ROAD 16 KOMOKA	184.748	04-0013-047-02	3 J-02 73
	THAMES RIVER	AT MIDDLESEX COUNTY ROAD 4	215.002	04-0013-051-02	3 H-02 82
	THAMES RIVER	AT HIGHWAY 59 SOUTH OF TAVISTOCK	298.847	04-0013-055-02	3 B-03 86
	THAMES RIVER	AT COUNTY ROAD NO 15 NEAR KENT BRIDGE	49.084	04-0013-058-02	3 C-03 88
	THAMES RIVER	AT MIDDLESEX CO.ROAD NO.45	112.455	04-0013-075-02	3 H-03 108
	THAMES RIVER	OXFORD CO.RD. 4,INNERKIP	273.733	04-0013-080-02	3 A-04 110
	TILBURY CREEK	1 MILE SOUTHWEST OF TILBURY STATION	7.725	04-0013-026-02	3 I-01 43
	TILBURY CREEK	AT HIGHWAY 2 WEST OF TILBURY	9.012	04-0013-046-02	3 I-02 71
	TROUT CREEK	AT PERTH COUNTY ROAD NO 28 ST.MARY'S	258.936	04-0013-064-02	3 E-03 92
	TROUT CREEK	AT WEST ZORRA TWP.CONC.ROAD 2-3	269.880	04-0013-066-02	3 G-03 96
TYRCONNELL CREEK	TURKEY CREEK	AT COUNTY RD 19 SOUTH OF SOUTHWOLD	163.344	04-0013-061-02	3 D-03 90
	TURKEY CREEK	AT WINDSOR SUBURBAN ROAD 40	3.862	10-0001-002-02	5 A-01 261
	DUTTON DRAIN	CONC.RD.7 DUNMICH TWP.S-W OF DUTTON	8.851	16-0072-001-02	6 J-01 285

